

SEALED BID

Buyer: 44

RFQ. NO.: AGR1223

Bid Opening Date: 4/5/2012

Bid Opening Time: 1:30 PM

SEALED BID

RECEIVED

2012 MAR 30 AM 10:16

WV PURCHASING
DIVISION



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 AGR1223

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 FRANK WHITTAKER
 304-558-2316

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

DEPARTMENT OF AGRICULTURE
 FOOD DISTRIBUTION PROGRAM
 1 CEDAR LAKES DRIVE
 RIPLEY, WV
 25271 304-558-2221

SHIP TO

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/07/2012				

BID OPENING DATE: 04/05/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		560-75	\$44,468.06	\$44,468.06
<p>NARROW AISLE REACH TRUCK</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF AGRICULTURE, IS SOLICITING BIDS FOR A NARROW AISLE REACH TRUCK PER THE ATTACHED SPECIFICATIONS.</p> <p>ALL TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE WV PURCHASING DIVISION VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV OR VIA FAX AT 304-558-4115. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 03/21/2012 AT 4:00 PM. ALL TECHNICAL QUESTIONS WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>William Ward</i>	TELEPHONE 304-300-2907	DATE 3-29-2012
TITLE Office Manager	FEIN 26-0471735	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
 2. The State may accept or reject in part, or in whole, any bid.
 3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
 5. Payment may only be made after the delivery and acceptance of goods or services.
 6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
 7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
 10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
 12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
 13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.html and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
 14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
 15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
 16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.
- I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

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ADDRESS CORRESPONDENCE TO ATTENTION OF:
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 304-558-2316

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VENDOR

SHIP TO

DEPARTMENT OF AGRICULTURE
 FOOD DISTRIBUTION PROGRAM
 1 CEDAR LAKES DRIVE
 RIPLEY, WV
 25271 304-558-2221

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/07/2012				

BID OPENING DATE: 04/05/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID BUYER: 44 RFQ. NO.: AGR1223 BID OPENING DATE: 04/05/2012 BID OPENING TIME: 1:30 PM PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- 304-300-2907 ----- CONTACT PERSON (PLEASE PRINT CLEARLY): ----- William Ward ----- ***** THIS IS THE END OF RFQ AGR1223 ***** TOTAL:						
						\$44,468.06

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	<i>William Ward</i>	TELEPHONE	304-300-2907	DATE	3-29-2012
TITLE	Office Manager	FEIN	26-0471735	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

24 VOLT NARROW-AISLE REACH TRUCK**GENERAL REQUIREMENTS AND/OR EQUAL;**

Electric power steering
Drive Wheels – 12.0"x5.5" Red Poly Grooved or Equal
Load Wheels – 5.0"x3.9" Poly Articulating Tandem or Equal
Overhead Guard
36" To 48" High Load Backrest Extension
Electronic Horn
Key Switch
Static Discharge Strap
Multi-Mode Hour Meter
Sealed Battery Rollers
Battery Discharge Indicator with Lift Interrupt
Operator's Display with Alpha Numeric Messaging
Emergency Power Quick Disconnect
Programmable Traction Speeds and Acceleration
Control Handle with Simultaneous Hydraulic Functions
Integral Side shifter
Motion Alarm
Amber Strobe Light LED
Mast Mounted Headlights
Operator's Compartment Will Be Designed To Allow For Side stance Operation or Equal
Freezer Pack
Fork Laser System
Battery- Model 12-E140-19 Load Hog, 1260 Amp Hr or Equal
Charger- Model EH3-12-1200Y Three Phase, 480 Volt or Equal

Bid must include delivery within ninety days to;
Food Distribution Program Warehouse
4496 Cedar Lakes Road
Ripley, WV 25271

COST SHEET

EQUIPMENT MAKE	MODEL	COST
Nissan Rider Reach AC Powered Electric Forklift	SRX45NF	\$ 44,468.06
Equipment must be delivered within ninety days of bid being awarded		

ALL BIDS MUST INCLUDE ALL FEES FOR DELIVERY TO:

West Virginia Department of Agriculture
Food Distribution Program
4496 Cedar Lakes Drive
Ripley, WV 25271



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

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DEPARTMENT OF AGRICULTURE
 FOOD DISTRIBUTION PROGRAM
 1 CEDAR LAKES DRIVE
 RIPLEY, WV
 25271 304-558-2221

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/21/2012				

BID OPENING DATE: 04/05/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDNDUM NO. 1 *****						
THIS ADDENDUM IS ISSUED TO PROVIDE THE ATTACHED TECHNICAL QUESTIONS AND ANSWERS.						
***** END ADDENDUM NO. 1 *****						
0001	1	BA	560-75	NARROW AISLE REACH TRUCK	\$44,468.06	\$44,468.06
***** THIS IS THE END OF RFQ AGR1223 ***** TOTAL:						\$44,468.06

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>William Ward</i>	TELEPHONE 304-300-2907	DATE 3-29-12
TITLE Office Manager	FEIN 26-0471735	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

QUESTIONS & ANSWERS FOR AGR 1223

1. Question: Mast specifications

Answer: Triplex Mast no taller than 8.5 feet in the lowered position, must be able to reach no less than 227 inches high, single reach 24", 4000# capacity

2. Question: Fork specification

Answer: 1-1/2" x 4" x 42" Hook Type -- Standard Taper

3. Question: Width or height limitations

Answer: 101" Tall, 55" Wide this unit will be used inside a racking system these are maximum dimensions

4. Question: Does this unit run in a cold storage unit, and if so what is temperature and run time

Answer: This unit will be used in a freezer at -10 degrees, eight hours a day

Request for Taxpayer Identification Number and Certification

**Give Form to the
 requester. Do not
 send to the IRS.**

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return) DoD Contractors.org, LLC	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ S <input type="checkbox"/> Exempt payee <input type="checkbox"/> Other (see instructions) ▶	
	Address (number, street, and apt. or suite no.) 322 Summers Street, Suite B	Requester's name and address (optional)
	City, state, and ZIP code Hinton, WV 25951-2309	
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number	Employer identification number														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; height: 20px;"> </td> <td style="width: 25%; height: 20px;"> </td> <td style="width: 25%; height: 20px;"> </td> <td style="width: 25%; height: 20px;"> </td> </tr> <tr> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td colspan="2"></td> </tr> </table>					-	-			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; height: 20px;"> </td> <td style="width: 20%; height: 20px;"> </td> <td style="width: 20%; height: 20px;"> </td> <td style="width: 20%; height: 20px;"> </td> <td style="width: 20%; height: 20px;"> </td> <td style="width: 20%; height: 20px;"> </td> </tr> </table>						
-	-														

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶	Date ▶ <i>March 7, 2012</i>
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General Instructions
 Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form
 A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

**NISSAN
FORKLIFT**

SRX Platinum Series

Rider Reach, Rider Double Reach / AC-Powered Models

3,000/3,500/4,500 lb.
Capacities



SRX Platinum Series

Mast Specifications

SRX35N

Mast Type	Mast Name	OHG Height	Maximum Fork Height	Overall Height			Free Lift		Tilt Angle
				MFH (TOF)	Lowered	Fully Extended		FL	
					in (mm)	OHL	With 48" LBR	Without LBR	With 48" LBR
THREE STAGE (Full Free)	3F198	87.5 (2225)	198 (5030)	89 (2260)	247.8 (6295)	234.7 (5960)	41.0 (1040)	54.1 (1375)	3/4
	3F210		210 (5335)	95 (2415)	260.3 (6615)	247.2 (6280)	47.0 (1195)	60.1 (1530)	
	3F240		240 (6095)	107 (2720)	290.4 (7380)	277.3 (7045)	59.0 (1500)	72.1 (1830)	
	3F270		270 (6860)	119 (3025)	320.5 (8140)	307.4 (7810)	71.0 (1805)	84.1 (2140)	

SRX45N, SRX45LN

Mast Type	Mast Name	OHG Height	Maximum Fork Height	Overall Height			Free Lift		Tilt Angle
				MFH (TOF)	Lowered	Fully Extended		FL	
					in	OHL	With 48" LBR	Without LBR	With 48" LBR
THREE STAGE (Full Free)	3F198	93.5 (2375)	198 (5030)	89 (2260)	247.8 (6295)	234.7 (5960)	41.2 (1045)	54.3 (1380)	3/4
	3F210		210 (5335)	95 (2415)	260.3 (6615)	247.2 (6280)	47.2 (1200)	60.3 (1535)	
	3F240		240 (6095)	107 (2720)	290.4 (7380)	277.3 (7045)	59.2 (1505)	72.3 (1840)	
	3F258		258 (6555)	113 (2870)	308.4 (7835)	295.3 (7500)	65.2 (1655)	78.3 (1990)	
	3F270		270 (6860)	119 (3025)	320.5 (8140)	307.4 (7810)	71.2 (1810)	84.3 (2145)	
	3F300		300 (7620)	131 (3330)	350.6 (8905)	337.5 (8570)	83.2 (2115)	96.3 (2450)	
	3F330		330 (8380)	149 (3785)	380.5 (9665)	367.4 (9335)	101.2 (2570)	114.3 (2905)	

SRX30ND, SRX30LND

Mast Type	Mast Name	OHG Height	Maximum Fork Height	Overall Height			Free Lift		Tilt Angle
				MFH (TOF)	Lowered	Fully Extended		FL	
					in	OHL	With 48" LBR	Without LBR	With 48" LBR
THREE STAGE (Full Free)	3F198	93.5 (2375)	198 (5030)	89 (2260)	247.8 (6295)	234.7 (5960)	41.0 (1040)	54.1 (1375)	3/4
	3F210		210 (5335)	95 (2415)	260.3 (6615)	247.2 (6280)	47.0 (1195)	60.1 (1530)	
	3F240		240 (6095)	107 (2720)	290.4 (7380)	277.3 (7045)	59.0 (1500)	72.1 (1835)	
	3F258		258 (6555)	113 (2870)	308.4 (7835)	295.3 (7500)	65.0 (1650)	78.1 (1985)	
	3F270		270 (6860)	119 (3025)	320.5 (8140)	307.4 (7810)	71.0 (1805)	84.1 (2140)	
	3F300		300 (7620)	131 (3330)	350.6 (8905)	337.5 (8570)	83.0 (2110)	96.1 (2445)	
	3F330		330 (8380)	149 (3785)	380.5 (9665)	367.4 (9335)	101.0 (2565)	114.1 (2900)	

Outrigger (Base Leg) Requirements

SRX35N, SRX45N, SRX45LN

Base Leg Type	Load Wheel	Outriggers (Base Legs)				
		Inner Dimension (I.D.)				Outside Dimension
		No S/S	Min. I.D.		Max. I.D.	Add to I.D.
Standard	5"d x 4"w Tandem	33	33	37	50	+ 11"
Single Load Wheel	10.5"d x 4"w Single	35	39	43	50	+ 11"
Narrow Profile	5"d x 3"w Tandem	33 ¹	33 ¹	37 ²	50	+ 9"
Low Profile	4"d x 3"w Tandem	33 ¹	33 ¹	37 ²	50	+ 9"

¹I.D. Min.=35" with 3F330 Mast

²I.D. Min.=38" with 3F330 Mast

SRX30ND, SRX30LND

Base Leg Type	Load Wheel	Outriggers (Base Legs)				
		Inner Dimension (I.D.)				Outside Dimension
		No S/S	Min. I.D.		Max. I.D.	Add to I.D.
Standard	5"d x 4"w Tandem	33	33	37	50	+ 11"
Single Load Wheel	10.5"d x 4"w Single	35	39	43	50	+ 11"
Narrow Profile	5"d x 3"w Tandem	35	35	38	50	+ 9"
Low Profile	4"d x 3"w Tandem	35	35	38	50	+ 9"

3,000/3,500/4,000 lb. capacities

Right Angle Stacking Aisle Requirements

SRX35N

Load Length	Load Width					
	30"	36"	40"	42"	44"	48"
30"	85 (2160)	85 (2160)	85 (2160)	85 (2160)	85 (2160)	85 (2160)
36"	87 (2210)	86 (2185)	85 (2160)	85 (2160)	84 (2135)	83 (2110)
40"	92 (2335)	91 (2310)	91 (2310)	91 (2310)	90 (2285)	90 (2285)
42"	94 (2390)	94 (2390)	93 (2360)	93 (2360)	93 (2360)	93 (2360)
44"	96 (2440)	96 (2440)	96 (2440)	95 (2415)	95 (2415)	95 (2415)
48"	101 (2565)	100 (2540)	100 (2540)	100 (2540)	100 (2540)	100 (2540)

42" I.D. Base Legs, 5x4 Load Wheels, 4" Clearance Between Loads.

Add min. 6" clearance for ease of operation.

SRX45N

Load Length	Load Width					
	30"	36"	40"	42"	44"	48"
30"	86 (2185)	86 (2185)	86 (2185)	86 (2185)	86 (2185)	86 (2185)
36"	88 (2235)	87 (2210)	87 (2210)	86 (2185)	86 (2185)	85 (2160)
40"	93 (2360)	93 (2360)	92 (2335)	92 (2335)	92 (2335)	91 (2310)
42"	96 (2440)	95 (2415)	95 (2415)	95 (2415)	94 (2390)	94 (2390)
48"	102 (2590)	102 (2590)	102 (2590)	101 (2565)	101 (2565)	101 (2565)
60"	115 (2920)	115 (2920)	114 (2895)	114 (2895)	114 (2895)	114 (2895)

42" I.D. Base Legs, 5x4 Load Wheels, 4" Clearance Between Loads.

Add min. 6" clearance for ease of operation.

SRX45LN

Load Length	Load Width					
	30"	36"	40"	42"	44"	48"
30"	90 (2285)	90 (2285)	90 (2285)	90 (2285)	90 (2285)	90 (2285)
36"	93 (2360)	92 (2335)	91 (2310)	91 (2310)	90 (2285)	89 (2260)
40"	98 (2490)	97 (2465)	97 (2465)	96 (2440)	96 (2440)	96 (2440)
42"	100 (2540)	99 (2515)	99 (2515)	99 (2515)	99 (2515)	98 (2490)
48"	107 (2720)	106 (2690)	106 (2690)	106 (2690)	106 (2690)	105 (2665)
60"	119 (3025)	119 (3025)	119 (3025)	119 (3025)	119 (3025)	118 (2995)

42" I.D. Base Legs, 5x4 Load Wheels, 4" Clearance Between Loads.

Add min. 6" clearance for ease of operation.

SRX30ND

Load Length	Load Width					
	30"	36"	40"	42"	44"	48"
30"	88 (2235)	88 (2235)	88 (2235)	88 (2235)	88 (2235)	88 (2235)
36"	96 (2440)	95 (2415)	95 (2415)	95 (2415)	94 (2390)	94 (2390)
40"	100 (2540)	100 (2540)	100 (2540)	99 (2515)	99 (2515)	99 (2515)
42"	103 (2615)	102 (2590)	102 (2590)	102 (2590)	101 (2565)	101 (2565)
48"	109 (2770)	109 (2770)	108 (2745)	108 (2745)	108 (2745)	108 (2745)
60"	121 (3075)	121 (3075)	121 (3075)	121 (3075)	121 (3075)	121 (3075)

42" I.D. Base Legs, 5x4 Load Wheels, 4" Clearance Between Loads.

Add min. 6" clearance for ease of operation.

SRX30LND

Load Length	Load Width					
	30"	36"	40"	42"	44"	48"
30"	92 (2335)	92 (2335)	92 (2335)	92 (2335)	92 (2335)	92 (2335)
36"	100 (2540)	100 (2540)	99 (2515)	99 (2515)	99 (2515)	98 (2490)
40"	105 (2665)	104 (2640)	104 (2640)	104 (2640)	104 (2640)	103 (2615)
42"	107 (2720)	106 (2690)	106 (2690)	106 (2690)	106 (2690)	106 (2690)
48"	113 (2870)	113 (2870)	113 (2870)	113 (2870)	113 (2870)	112 (2845)
60"	126 (3200)	126 (3200)	125 (3175)	125 (3175)	125 (3175)	125 (3175)

42" I.D. Base Legs, 5x4 Load Wheels, 4" Clearance Between Loads.

Add min. 6" clearance for ease of operation.

SRX Platinum Series

Main Truck Specifications

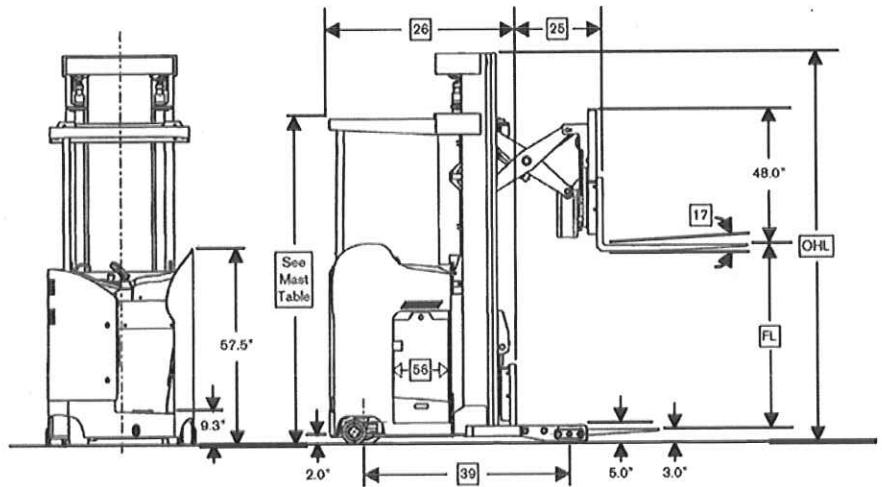
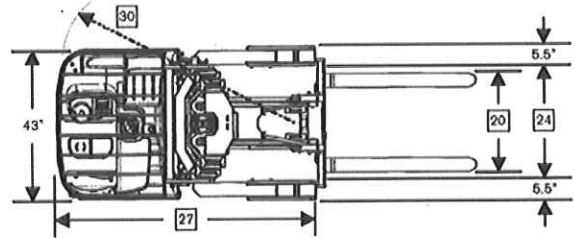
				Nissan	Nissan	Nissan	
CHARACTERISTICS	1	Manufacturer's Name					
	2	Model	Model designation	SRX35N	SRX45N	SRX45LN	
	3		Long model code	SM1H235NV	SM1H245NV	SG1H245NV	
	4	Wheelbase Type		STD	STD	LWB	
	5	Load Capacity	Rated capacity	lb (kg)	3500 (1750)	4500 (2250)	4500 (2250)
	6	Load Center	Distance	in (mm)	24 (610)	24 (610)	24 (610)
	7	Power Type	Electric	volt	36	36	36
	8	Reach Type			Single Reach	Single Reach	Single Reach
	9	Operator Orientation			Stand	Stand	Stand
	10	Tire Type	Load / Caster / Drive		Poly	Poly	Poly
	11	Wheels (x=driven)	Load / Caster / Drive		4 / 2 / 1x	4 / 2 / 1x	4 / 2 / 1x
DIMENSIONS	12	Mast	Max. fork height (MFH)	in (mm)	210 (5335)	210 (5335)	210 (5335)
	13		Mast lowered (OHL)	in (mm)	95 (2415)	95 (2415)	95 (2415)
	14		Standard freelif (FL) with LBR	in (mm)	47 (1195)	47.2 (1200)	47.2 (1200)
	15		Mast extended with LBR	in (mm)	260.3 (6615)	260.3 (6615)	260.3 (6615)
	16		Height - top of standard LBR	in (mm)	48 (1220)	48 (1220)	48 (1220)
	17	Tilt Angle	Standard carriage - fwd/back	degree	3° / 4°	3° / 4°	3° / 4°
	18	Forks	Width x thickness	in (mm)	4 x 1.5 (100 x 40)	4 x 1.75 (100 x 45)	4 x 1.75 (100 x 45)
	19		Length	in (mm)	42 (1070)	42 (1070)	42 (1070)
	20		Min. spread (o.d.)	in (mm)	8 (203)	8 (203)	8 (203)
	21		Max. spread (o.d.) ¹	in (mm)	31.5 (800)	31.5 (800)	31.5 (800)
	22		Fork lowered height (TOF)	in (mm)	3.0 (75)	3.2 (80)	3.2 (80)
	23	Outrigger	Height ¹	in (mm)	5.0 (130)	5.0 (130)	5.0 (130)
	24	Outrigger Width	I.D. min - max (in 1" increments)	in (mm)	33 - 50 (840 - 1270)	33 - 50 (840 - 1270)	33 - 50 (840 - 1270)
	25	Overall Dimensions	Maximum stroke	in (mm)	22.8 (580)	22.4 (570)	22.4 (570)
	26		Length (to face of forks)	in (mm)	54.1 (1375)	55.6 (1415)	60.1 (1525)
	27		Length (to face of outriggers)	in (mm)	74.5 (1895)	75.6 (1920)	80.0 (2035)
	28		Width - truck chassis	in (mm)	43.0 (1090)	43.0 (1090)	43.0 (1090)
29		Height - top of OHG	in (mm)	93.5 (2375)	93.5 (2375)	93.5 (2375)	
30	Turning Radius	Minimum outside	in (mm)	69.4 (1760)	70.4 (1790)	74.9 (1900)	
31	Min. Right Angle Stack	48" L x 40" W pallet (add clearance) ¹	in (mm)	100 (2540)	102 (2590)	106 (2690)	
PERFORMANCE	32	Speeds	Travel - loaded - fwd / rev	mph (kph)	6.4 (10.3) / 7.2 (11.6)	6.4 (10.3) / 7.2 (11.6)	6.4 (10.3) / 7.2 (11.6)
	33		Travel - unloaded - fwd / rev	mph (kph)	6.4 (10.3) / 7.2 (11.6)	6.4 (10.3) / 7.2 (11.6)	6.4 (10.3) / 7.2 (11.6)
	34		Lift - loaded	fpm (mm/sec)	70 (356)	70 (356)	70 (356)
	35		Lift - unloaded	fpm (mm/sec)	120 (610)	120 (610)	120 (610)
	36		Lower - loaded	fpm (mm/sec)	95 (483)	95 (483)	95 (483)
	37		Lower - unloaded	fpm (mm/sec)	87 (442)	87 (442)	87 (442)
CHASSIS & WHEELS	38	Truck Weight	210" Mast, empty, no battery	lb (kg)	6005 (2725)	6420 (2915)	6540 (2970)
	39	Wheelbase	Distance between axles on centers	in (mm)	59.0 (1500)	60.1 (1525)	64.6 (1640)
	40	Chassis Length		in (mm)	35.2 (895)	35.2 (895)	39.7 (1010)
	41	Step Height		in (mm)	9.3 (235)	9.3 (235)	9.3 (235)
	42	Ground Clearance	Center of wheelbase	in (mm)	2.0 (50)	2.0 (50)	2.0 (50)
	43		Under mast	in (mm)	2.0 (50)	2.0 (50)	2.0 (50)
	44	Tire Size	Drive tire	in (mm)	13 x 5.5 (330 x 140)	13 x 5.5 (330 x 140)	13 x 5.5 (330 x 140)
	45		Caster wheels - dual	in (mm)	7 x 2.87 (178 x 73)	7 x 2.87 (178 x 73)	7 x 2.87 (178 x 73)
	46		Load wheels - tandem	in (mm)	5 x 4 (127 x 100)	5 x 4 (127 x 100)	5 x 4 (127 x 100)
	47	Service Brake	Type		Regen	Regen	Regen
48	Parking Brake	Type		Electric Disc	Electric Disc	Electric Disc	
DRIVE LINE	49	Steering	On-demand		Electric	Electric	Electric
	50	Traction Motor	Type		AC Induction	AC Induction	AC Induction
	51		Control type		AC Inverter	AC Inverter	AC Inverter
	52		Rating - 60 minute	HP (kW)	8.0 (6.0)	8.0 (6.0)	8.0 (6.0)
	53	Pump Motor	Type		AC Induction	AC Induction	AC Induction
54		Rating - 5 minute	HP (kW)	18.8 (14)	18.8 (14)	18.8 (14)	
BATTERY	55	Recommended Size	Lead Acid		18-125-13	18-125-13	18-125-17
	56	Compartment Size	L	in (mm)	16.4 (415)	16.4 (415)	20.9 (530)
	57		W x H	in (mm)	38.7 x 32 (980 x 810)	38.7 x 32 (980 x 810)	38.7 x 32 (980 x 810)
	58	Amp Hr Capacity	Min / Max (6-hr)	Ah	600 / 930	600 / 930	880 / 1240
	59	Weight	Minimum / Maximum	lb (kg)	2060 (935) / 2305 (1045)		2600 (1180) / 3015 (1370)
	60	Battery Roller Height	From floor	in (mm)	6.2 (158)	6.2 (158)	6.2 (158)
	61	Lead Length	Position B / SB-350 Gray	in (mm)	24 (610)	24 (610)	24 (610)
62	Connector		type	SB-350 Gray	SB-350 Gray	SB-350 Gray	

4 (1) With 42" I.D. Base Legs, 5x4 Load Wheels, 4" Clearance Between Loads.
For Right Angle Stack, Add min. 6" Clearance for Ease of Operation.

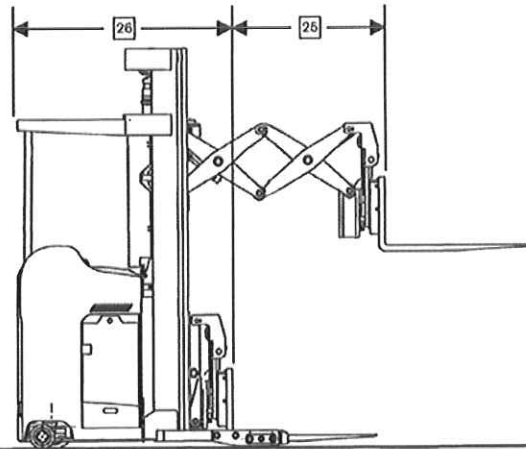
3,000 - 4,500 lb. capacity

Nissan	Nissan	1
SRX30ND	SRX30LND	2
DM1H230NV	DG1H230NV	3
STD	LWB	4
3000 (1500)	3000 (1500)	5
24 (610)	24 (610)	6
36	36	7
Double Reach	Double Reach	8
Stand	Stand	9
Poly	Poly	10
4 / 2 / 1x	4 / 2 / 1x	11
210 (5335)	210 (5335)	12
95 (2415)	95 (2415)	13
47 (1195)	47 (1195)	14
260.3 (6615)	260.3 (6615)	15
48 (1220)	48 (1220)	16
3° / 4°	3° / 4°	17
4 x 1.5 (100 x 40)	4 x 1.5 (100 x 40)	18
42 (1070)	42 (1070)	19
8 (203)	8 (203)	20
31.5 (800)	31.5 (800)	21
3.0 (75)	3.0 (75)	22
5.0 (130)	5.0 (130)	23
33 - 50 (840 - 1270)	33 - 50 (840 - 1270)	24
40.2 (1020)	40.2 (1020)	25
61.9 (1570)	66.3 (1685)	26
77.5 (1970)	82.0 (2085)	27
43.0 (1090)	43.0 (1090)	28
93.5 (2375)	93.5 (2375)	29
72.4 (1840)	76.8 (1950)	30
108 (2745)	113 (2870)	31
6.4 (10.3) / 7.2 (11.6)	6.4 (10.3) / 7.2 (11.6)	32
6.4 (10.3) / 7.2 (11.6)	6.4 (10.3) / 7.2 (11.6)	33
70 (356)	70 (356)	34
120 (610)	120 (610)	35
95 (483)	95 (483)	36
95 (483)	95 (483)	37
6715 (3045)	6835 (3100)	38
62.0 (1575)	66.5 (1690)	39
35.2 (895)	39.7 (1010)	40
9.3 (235)	9.3 (235)	41
2.0 (50)	2.0 (50)	42
2.0 (50)	2.0 (50)	43
13 x 5.5 (330 x 140)	13 x 5.5 (330 x 140)	44
7 x 2.87 (178 x 73)	7 x 2.87 (178 x 73)	45
5 x 4 (127 x 100)	5 x 4 (127 x 100)	46
Regen	Regen	47
Electric Disc	Electric Disc	48
Electric	Electric	49
AC Induction	AC Induction	50
AC Inverter	AC Inverter	51
8.0 (6.0)	8.0 (6.0)	52
AC Induction	AC Induction	53
18.8 (14)	18.8 (14)	54
18-125-13	18-125-17	55
16.4 (415)	20.9 (530)	56
38.7 x 32 (980 x 810)	38.7 x 32 (980 x 810)	57
600 / 930	880 / 1240	58
2060 (935) / 2305 (1045)	2600 (1180) / 3015 (1370)	59
6.2 (158)	6.2 (158)	60
24 (610)	24 (610)	61
SB-350 Gray	SB-350 Gray	62

SRX35N
SRX45N



SRX30ND



Technical Information

Standard Equipment

1. 36-volt electrical system
2. AC-powered drive motor and hydraulic pump motor
3. Transistorized AC motor control
4. Motors and controller temperature protection
5. Multi-function LED display
6. Battery discharge indicator (BDI) with lift interrupt
7. Steer tire position indicator
8. Four hour meters
9. Speedometer
10. On-board diagnostics with built-in test equipment
11. Parking brake warning indicator
12. Small radius tiller steer control
13. On-demand electric power steering, with DC steer motor
14. 4-mode regenerative braking (plugging, foot brake, neutral brake, lift stop)
15. Auto-applied parking brake with anti-rollback
16. Multi-function control handle for fwd/rev travel control, horn, lift/lower, reach, tilt, and sideshift*
17. Emergency power disconnect switch and auto power off
18. Infinitely variable lift/lower speed control
19. Nissan's operator presence system includes mast-lockout
20. Side-stance operator compartment with low step height
21. Anti-fatigue cushioned back, arm-rest, and knee padding
22. Adjustable height operator backrest padding
23. Angled floorboard
24. Integrated convenience tray
25. Safety glass mast guard
26. Battery rollers and removable side gates
27. Triplex mast: 210" MFH / 95" OHL
28. 48" high load backrest
29. 33" - 50" I.D. base legs
30. 5" x 4" tandem load wheels
31. Anti-static ground strap
32. U.L. "E" rating

Optional Equipment

1. Variety of available mast heights
2. Standard or polished and tapered forks in a variety of lengths
3. Integral side shifter

4. 36" high load backrest
5. Single, narrow or low profile load wheels
6. Automatic fork height selector
7. Digital fork height indicator
8. Operator light and fan
9. Front LED headlights
10. Rear LED work light
11. Strobe light and travel alarms
12. Fire extinguisher
13. Reverse steering
14. Wire mesh mast guard
15. Freezer package for environments from 32° F (0° C) to -20° F (-29° C)
16. U.L. "EE" rating (16.4" battery only)

Enhanced Operator Comfort and Productivity

The Platinum SRX Series offers a variety of operator conveniences for enhanced comfort and increased productivity. Entry and exit is simplified due to a low step height, resulting in less operator fatigue. Its open compartment design includes a wrap-around console including an integrated clipboard holder and storage cup. The truck's side stance design provides comfortable forward or reverse driving, and includes a gently sloped floorboard, offering a relaxed driving position. The operator platform includes a wide, dual-pedal system for greater operator control. Its brake release pedal is on the left, with an operator presence pedal on the right.

To minimize bodily stresses from standing throughout a shift or riding over rough warehouse floors, the floorboard sits atop four vibration isolators. Combined with its cushioned floor mat, the SRX provides a smoother, more enjoyable ride. Operator comfort is further enhanced with thick padding located beneath the operator's arm, a height-adjustable cushioned backrest, and knee pad.

A rear overhead guard post and high operator backrest on the SRX provide added protection for the operator, which is especially important when working in tight areas around racking.

Nissan's intuitive, multi-function handle is ergonomically designed to reduce operator effort, resulting in more accurate, precise control. Operational commands including drive, lift and lower, horn, reach, and sideshift* (or other auxiliary function) can be performed by this single handle. Its design helps prevent unintentional operator commands from occurring, by allowing the operator to rest his or her right hand on the controller without initiating truck movement.

Increased operator productivity is realized through customizable speed settings, which are available for the truck's lift, tilt, reach and sideshift operations.

A small diameter tiller and electronic power steering allow greater control and maneuverability with less effort.

The dash includes an LED display to communicate truck status and warnings to the operator including: travel speed, battery capacity, hour meter, parking brake warning, and steer wheel position.

The SRX Series' standard safety features include: Mast Lock (automatically locking mast lift and tilt) when the operator presence pedal is released, Lift Control (restricting lift speed at faster travel speeds), reduced travel speed at high lift heights, and Ramp Hold (automatic parking brake), ideal for trucks using push-back racks.

The overhead guard's design incorporates wide slots for maximum upward visibility during high reach operations allowing for easier load handling and increased operator efficiency.

Features for Reduced Battery Consumption

The advanced AC control system on Nissan's SRX Series ensures that travel and hydraulic motors are running at peak efficiency. By continually monitoring operator commands, the control system ensures the exact response needed is achieved, and energy is not wasted.

Its on-demand electronic power steering system produces quieter operation, while less energy is required from the battery. And four-mode regenerative braking transforms kinetic energy into electrical energy flowing back to the battery, for longer operation.

The auto-power off system shuts off truck power after 15 minutes of non-operation.

A programmable Battery Discharge Indicator offers a means to better match actual battery usage patterns for a typical discharge rate, in order to help produce reliable battery life.

Battery and Electrical

Incorporating a 36-volt electrical system, the motor controllers feature transistorized power inverters for DC to three phase AC power conversion.

An emergency stop/power disconnect button shuts off truck power in case of an emergency.

Brake System

Adjustable, regenerative braking brings the truck to a smooth, controlled stop when the foot brake is released, the direction lever is in neutral, or while plugging.

The disc brake is applied automatically when the truck travel speed is zero and no direction command has been given. This spring applied/electronic released disc brake is mounted directly to the drive motor, with no brake cylinder or hydraulic brake fluid requiring service.

Chassis & Outrigger

The SRX Series' rugged frame design features a compact design for enhanced maneuverability. The reinforced overhead guard design allows easy replacement should individual components become damaged.

A dual-spring caster suspension system design offers smoother, more stable operation over rough driving surfaces. Dual, articulating caster wheels minimize tire scrubbing when pivoting.

*If equipped

Technical Information Platinum SRX Series

Outriggers are welded on to the mast frame producing a strong, rugged design for stability and support. Bolt-on load wheel boxes simplify maintenance, enhancing productivity.

Mast and Reach Design

A clear-view, full free lift, 210" MFH/95" OHL three stage mast, with safety glass guard, provides an unobstructed view of the load and enhances operator safety.

This rugged, high visibility mast incorporates an interlocking channel and I-beam, with heavy-duty mast rollers, for greater durability and longer life.

The rugged single and double reach mechanism used on the

SRX Series features a scissor pantograph design, incorporating dual reach cylinders, providing strength and durability to increase component life while handling large loads.

The retract function is hydraulically cushioned for smooth operation, with programmable speed for customized performance.

Drive Unit

The rugged AC drive motor offers high power and quick response. The stationary drive motor eliminates cable flexing during steering.

Hydraulics

A powerful AC motor drives the

hydraulic pump for all load handling operations performed by the SRX Series mast.

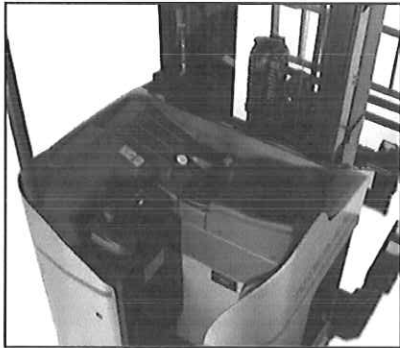
Lower Ownership Costs

The SRX Series features brushless, AC-powered drive and hydraulic pump motors with a single contactor design. This results in fewer serviceable parts, such as commutators, contactors, and brushes. Lower overall operating costs are achieved by eliminating expenses related to inspection and replacement of these items.

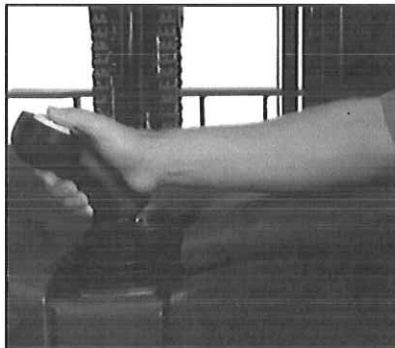
When scheduled maintenance is required, the SRX provides exceptional access through its removable top panels and swing-out side panel.

The SRX controller includes a built-in test-equipment module with onboard diagnostics and coded service history, logged by hour meter reading. The smart LED meter panel offers an intuitive on-board diagnostics display, and access to the truck's service history, making troubleshooting faster and easier, for less downtime and more productive working hours.

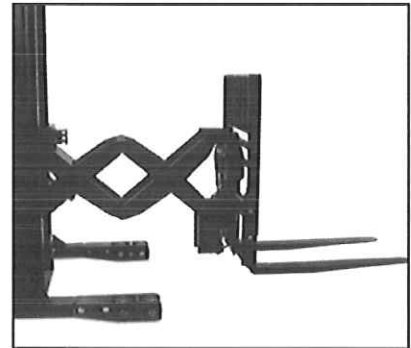
As a safeguard for your investment, all AC motors and controllers on the SRX have thermal protection as standard. In the event that overheating occurs, a warning will alert the operator, immediately followed by a reduction in the truck's performance level.



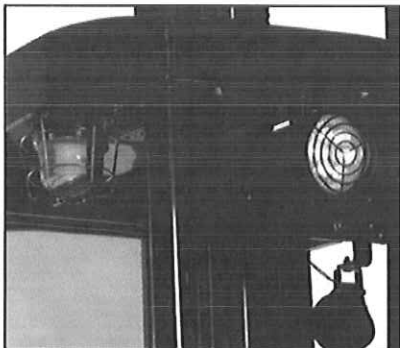
The operator's dash includes an ergonomic layout of its instruments, such as an easy to read digital display, small radius tiller for tighter control and an intuitive multi-function handle.



The smart design of the multi-functional control handle places soft touch buttons within easy reach, without twisting or turning the wrist. The handle's contoured shape offers a natural cradle for the operator's hand, while a cushioned armrest provides added support during operation.



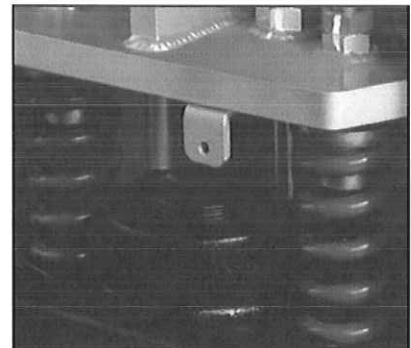
A rugged internally nested carriage, incorporates a compact design, with a full 22" stroke (single reach) or 40" (double reach). Its dual reach cylinders reduce stress and distortion, while evenly distributing the load for reduced shock and wear.



Optional rear strobe and work lights are ideal for providing added safety in busy or congested areas of the warehouse.



Choose the optional automatic fork height selector to save valuable time during storage and retrieval operations, for increased operator productivity.



Greater stability and a smoother ride are achieved due to a dual spring suspension system in the caster wheel design. This design assists in maintaining a consistent load on the drive wheel for improved traction, steering and brake control during operation.

Option Availability

Platinum SRX Series - Rider Reach & Rider Double Reach Models

Standard S Option O

		SRX35N	SRX45N SRX45LN	SRX30ND SRX30LND
Vehicle Management	AC motor controller with built-in self-diagnostics	S	S	S
	Multi-function LED display	S	S	S
	Battery discharge indicator with lift interrupt	S	S	S
	Four individual hour meter readings	S	S	S
	Multi-function control handle	S	S	S
	Emergency power disconnect switch	S	S	S
	Motor and controller temperature protection	S	S	S
	Automatic fork height selector	O	O	O
Digital fork height indicator	O	O	O	
Chassis & Mast	AC drive motor	S	S	S
	36-volt electrical system	S	S	S
	Battery compartment rollers and side gates	S	S	S
	Three-stage mast: 95" OHL / 210" MFH	S	S	S
	48" high load backrest	S	S	S
	U.L. "EE" Rating ¹	O	O	O
Outriggers	33" - 50" I.D. base legs	S	S	S
	5" x 4" tandem load wheels	S	S	S
	10.5" x 4" single load wheels	O	O	O
	5" x 3" tandem narrow load wheels	O	O	O
	4" x 3" tandem low profile load wheels	O	O	O
	Tapered outrigger tips (load wheel guard)	O	O	O
Operator Presence System	Operator presence pedal with mast lockout and return-to-neutral	S	S	S
	Brake pedal (depress to travel)	S	S	S
Steering System	On-demand electronic power steering	S	S	S
	Small radius tiller control	S	S	S
	Steer tire position indicator	S	S	S
Brake	4-mode regen braking	S	S	S
	Automatic parking brake with anti-rollback	S	S	S
Hydraulic System	AC hydraulic pump motor	S	S	S
	Proportional lift and lower	S	S	S
Operator Conveniences	90° operator side stance	S	S	S
	Anti-fatigue arm, knees and back padding	S	S	S
	Adjustable operator backrest cushion	S	S	S
	Safety glass mast guard	S	S	S
	Operator fan and light	O	O	O
	Front or rear work lights	O	O	O
	Strobe lights	O	O	O
	Wire mesh mast guard	O	O	O

(1) U.L. "EE" rating available with 16.4" battery box only.



Nissan Forklift Corporation reserves the right to make product changes relating to colors, equipment, specifications or available options without notice. For more information, contact your Nissan Forklift representative.

NISSAN FORKLIFT

Tine-Guide

Forklift Laser Guidance System



Ensure Proper Fork Placement!



Damaged Freight



**Cost Company's
Millions of Dollars**

IMPROVE YOUR COMPANY'S BOTTOM LINE!

- Increase Safety, Profit, & Productivity!
- Reduce Product Damage!

by US Lasers
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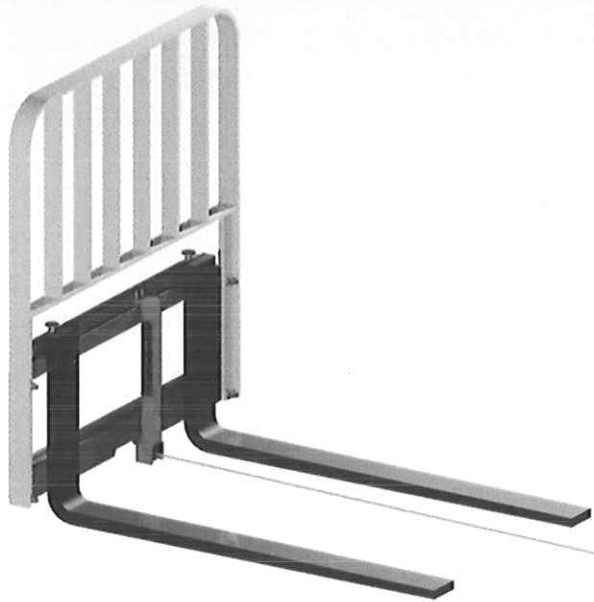
Tine-Guide

Forklift Laser Guidance System



The Tine-Guide Laser Guidance System gives forklift operators a constant visual reference to fork position, thereby increasing safety, profit, and productivity.

Overall, the Tine-Guide pays for itself in a matter of weeks by simply reducing labor and product damage—thus improving your company's bottom line.



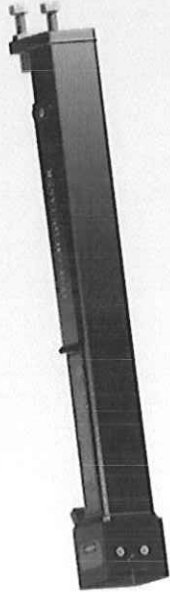
The Tine-Guide Laser unit mounts easily to a class 1 through 4 fork carriage in much the same way as a fork does. Projecting a dot or line laser on the pallet/product, the dot/line marks **WHERE THE FORKS WILL HIT**, allowing the operator to work faster and more safely. This eliminates judging height when stacking and removing

product from racks above 15' - making the Tine-Guide an excellent tool for new and experienced drivers alike.

The Tine-Guide is heavy-duty and virtually indestructible. The unit will operate from -20 degrees Fahrenheit to 130 degrees Fahrenheit. The laser module incorporates a patented Thermal Disconnect circuit that will automatically shut down the laser if the ambient temperature exceeds the maximum temperature rating of the laser.

Below are the two basic series offered by U.S. Lasers.

STANDARD SERIES



The Standard Tine-Guide Laser is a *battery-powered, self-contained unit*

- Two 6 volt rechargeable Nickel Metal Hydride batteries (4800 Amp Hrs each)
- State-of-the-art, solid state NiMH battery charger (80% charge in 4 hrs/100% in 8)
- Most popular and economical unit

V70 SERIES



The V70 Tine-Guide Laser *wires directly to the electrical system or battery of the truck*

- Requires 12-55 DC voltage AT THE CARRIAGE (for user installation)
- No voltage AT CARRIAGE will make installation considerably difficult
- Includes matching pigtail for car-

Standard Tine-Guide Models

The Standard Tine-Guide Laser can be fitted with a variety of new features. Below are descriptions for each optional function.



Unit comes with a **Vibration Circuit** that powers the laser on when the forklift engine starts and turns off again after 4 minutes of no vibration or movement - saving battery and laser life.

See pg 8 for specs



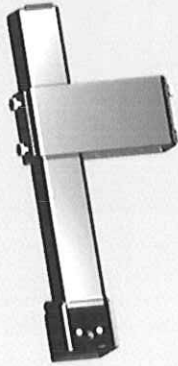
The **Elevation Control** circuit is designed for warehouses with heavy personnel, to prevent distracting eye flashes on the work-floor. Equipped with Elevation Circuitry, the laser will only operate at 7' and above.

See pg 9 for specs



The **Dual Laser** feature was designed for big-box stores, or any company moving product on and off of racks repetitively. The Dual incorporates two distinct lasers—one directing the forks into the pallet; the other guiding the pallet onto the rack.

See pg 10 for specs



The **Fork Mount** is designed for trucks with non-standard fork carriages. Our universal clamping system allows the guide to be mounted directly to the fork of the lift truck.

See pg 11 for specs



The **Cold Storage** unit is designed for low-temperature and high-moisture environments.

See pg 12 for specs

V70 Tine-Guide Models



The V70 Tine-Guide Laser can be fitted with a variety of new features. Below are descriptions for each optional function.



The **basic V70** comes with a voltage regulator circuit that reduces 12—55 VDC to 6 VDC. The unit is wired directly to the forklift electrical system. If the specified voltage is available at the carriage, the unit is self-installable.

See pg 13 for specs



The **Dual Laser** feature was designed for big-box stores, or any company moving product on and off of racks repetitively. The Dual incorporates two distinct lasers—one directing the forks into the pallet; the other guiding the pallet onto the rack.

See pg 14 for specs



The **Fork Mount** is designed for trucks with non-standard fork carriages. Our universal clamping system allows the guide to be mounted directly to the fork of the lift truck.

See pg 15 for specs

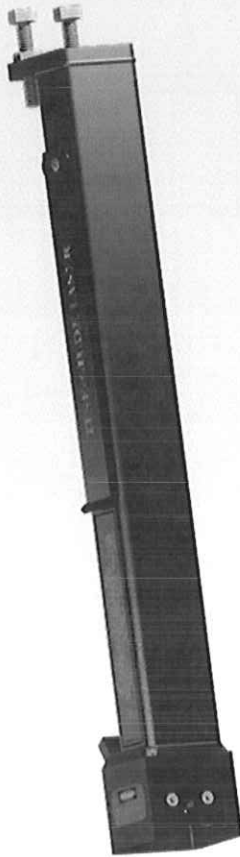


The **Cold Storage** unit is designed for low-temperature and high-moisture environments.

See pg 16 for specs

Standard Tine-Guide

Forklift Laser Guidance System



- **INCLUDES TWO RECHARGEABLE NICKEL METAL HYDRIDE (NIMH) BATTERIES AND A CHARGER**
 - * 50+ Continuous Hours of Life per Battery * Quick Charge 3 hrs/Full Charge 8 hrs - 4800 Amp Hours * Batteries are Double Shrink-wrapped for Durability * Charger is Solid-State, Long Lasting, and is Specially Designed for NIMH Battery Charging
- **THE BRIGHTEST, MOST RELIABLE LASER AVAILABLE**
 - * 635nm (Nanometer) - The Ideal Wavelength for Maximum Visibility * 5mW (milowatt) - The Highest Wattage Allowed by FDA-CDRH Government Regulations for a Commercial Class 3A Laser Product * Equipped with a Dot or Line Laser (Your Choice): The line generated lasers are great for low-light areas such as warehouses. The dot lasers are excellent for cold storage and outdoor use.
- **EQUIPPED WITH UNIQUE, STATE-OF-THE-ART VIBRATION SENSITIVE, SOLID STATE CIRCUIT**
 - * Automatically turns off after 4 minutes of no movement or vibration - saving battery and laser life
- **EASY TO INSTALL AND ADJUST (Simply Hook on Carriage, Tighten, and Adjust Laser)**
 - * Required Tools: 5/32 Allen Wrench (Included w/ Unit), 9/16 Open Box-End Wrench * Once Installed - No Maintenance is Required
- **STANDARD MODELS FIT ALL STANDARD CLASS (I-IV) FORKLIFT CARRIAGES**
- **DURABLE HOUSING**
 - * Laser Head is CNC Machined from a Solid Block of 60 61-T6 Aluminum Alloy (Aircraft Aluminum) * Laser Head is Anodized - Isolating the Electronics from the Fork Truck & Protecting the Aluminum Laser Head from Oxidation & Harsh Chemicals * Battery Compartment Encased in 1.5" x 2" Square Steel Tubing (1/8" Thick) * All Welding is MIG Welded for Deep Penetration & Durability * All Steel Parts Have High Quality, Commercial Powder Coats (Color Determines the Model) * All Nuts and Bolts are Stainless Steel or Grade 5 or Better * Battery Cover is a Molded Silicon Rubber Material - Withstanding Extreme Heat and Sub-Zero Temperatures - and is Impervious to Water, Oil, Gas, Acids, & most Common Chemicals

Elevation Control

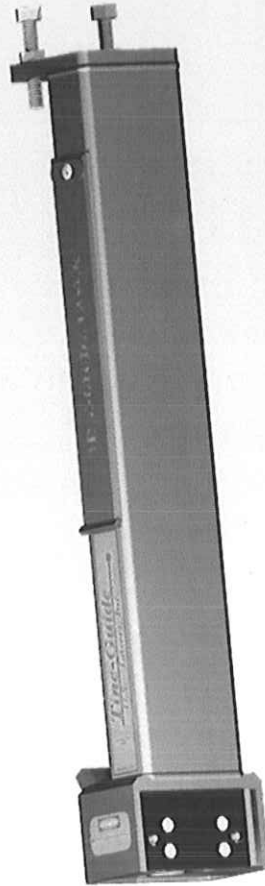
Forklift Laser Guidance System



- **INCLUDES TWO RECHARGEABLE NICKEL METAL HYDRIDE (NIMH) BATTERIES AND A CHARGER**
 - * 50+ Continuous Hours of Life per Battery * Quick Charge 3 hrs/Full Charge 8 hrs - 4800 Amp Hours * Batteries are Double Shrink-wrapped for Durability * Charger is Solid-State, Long Lasting, and is Specially Designed for NIMH Battery Charging
- **THE BRIGHTEST, MOST RELIABLE LASER AVAILABLE**
 - * 635nm (Nanometer) - The Ideal Wavelength for Maximum Visibility * 5mW (milowatt) - The Highest Wattage Allowed by FDA-CDRH Government Regulations for a Commercial Class 3A Laser Product * Equipped with a Dot or Line Laser (Your Choice): The line generated lasers are great for low-light areas such as warehouses. The dot lasers are excellent for cold storage and outdoor use.
- **EQUIPPED WITH UNIQUE, STATE-OF-THE ART VIBRATION SENSITIVE, SOLID STATE CIRCUIT**
 - * Automatically turns on once Guide reaches 7', and off again once it is below 7'
- **EASY TO INSTALL AND ADJUST (Simply Hook on Carriage, Tighten, and Adjust Laser)**
 - * Required Tools: 5/32 Allen Wrench (Included w/ Unit), 9/16 Open Box-End Wrench * Once Installed - No Maintenance is Required
- **STANDARD MODELS FIT ALL STANDARD CLASS (I-IV) FORKLIFT CARRIAGES**
- **DURABLE HOUSING**
 - * Laser Head is CNC Machined from a Solid Block of 60 61-T6 Aluminum Alloy (Aircraft Aluminum) * Laser Head is Anodized - Isolating the Electronics from the Fork Truck & Protecting the Aluminum Laser Head from Oxidation & Harsh Chemicals * Battery Compartment Encased in 1.5" x 2" Square Steel Tubing (1/8" Thick) * All Welding is MIG Welded for Deep Penetration & Durability * All Steel Parts Have High Quality, Commercial Powder Coats (Color Determines the Model) * All Nuts and Bolts are Stainless Steel or Grade 5 or Better * Battery Cover is a Molded Silicon Rubber Material - Withstanding Extreme Heat and Sub-Zero Temperatures - and is Impervious to Water, Oil, Gas, Acids, & most Common Chemicals

Dual Tine-Guide

Forklift Laser Guidance System



- **INCLUDES TWO RECHARGEABLE NICKEL METAL HYDRIDE (NIMH) BATTERIES AND A CHARGER**
 - * 50+ Continuous Hours of Life per Battery * Quick Charge 3 hrs/Full Charge 8 hrs - 4800 Amp Hours * Batteries are Double Shrink-wrapped for Durability * Charger is Solid-State, Long Lasting, and is Specially Designed for NIMH Battery Charging
- **THE BRIGHTEST, MOST RELIABLE LASERS AVAILABLE**
 - * 635nm (Nanometer) - The Ideal Wavelength for Maximum Visibility * 5mW (milowatt) - The Highest Wattage Allowed by FDA-CDRH Government Regulations for a Commercial Class 3A Laser Product * Equipped with both a Dot and Dash Laser (One to Guide the Forks into the Pallet - the Other to Guide the Pallet onto the Rack)
- **EQUIPPED WITH UNIQUE, STATE-OF-THE-ART VIBRATION SENSITIVE, SOLID STATE CIRCUIT**
 - * Automatically turns off after 4 minutes of no movement or vibration - saving battery and laser life
- **EASY TO INSTALL AND ADJUST (Simply Hook on Carriage, Tighten, and Adjust Laser)**
 - * Required Tools: 5/32 Allen Wrench (Included w/ Unit), 9/16 Open Box-End Wrench * Once Installed - No Maintenance is Required
- **STANDARD MODELS FIT ALL STANDARD CLASS (I-IV) FORKLIFT CARRIAGES**
- **DURABLE HOUSING**
 - * Laser Head is CNC Machined from a Solid Block of 60 61-T6 Aluminum Alloy (Aircraft Aluminum) * Laser Head is Anodized - Isolating the Electronics from the Fork Truck & Protecting the Aluminum Laser Head from Oxidation & Harsh Chemicals * Battery Compartment Encased in 1.5" x 2" Square Steel Tubing (1/8" Thick) * All Welding is MIG Welded for Deep Penetration & Durability * All Steel Parts Have High Quality, Commercial Powder Coats (Color Determines the Model) * All Nuts and Bolts are Stainless Steel or Grade 5 or Better * Battery Cover is a Molded Silicon Rubber Material - Withstanding Extreme Heat and Sub-Zero Temperatures - and is Impervious to Water, Oil, Gas, Acids, & most Common Chemicals

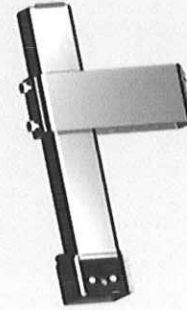
Fork Mount

Forklift Laser Guidance System



- UNIVERSAL MOUNTING BRACKET FITS ANY SIZE FORK/TINE

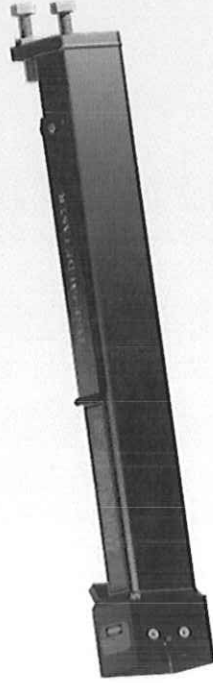
Fork Thickness		Fork Width
1 1/4 inches	x	4 inches
1 1/2 inches	x	3", 4", 5", 6", 7", 8"
1 3/4 inches	x	4 in.- 5 in. -6in.
2 inches	x	4", 5", 6", 8"
3 inches	x	8 inches



- **INCLUDES TWO RECHARGEABLE NICKEL METAL HYDRIDE (NIMH) BATTERIES AND A CHARGER**
 - * 50+ Continuous Hours of Life per Battery * Quick Charge 3 hrs/Full Charge 8 hrs - 4800 Amp Hours * Batteries are Double Shrink-wrapped for Durability * Charger is Solid-State, Long Lasting, and is Specially Designed for NIMH Battery Charging
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- **EQUIPPED WITH UNIQUE, STATE-OF-THE ART VIBRATION SENSITIVE, SOLID STATE CIRCUIT**
 - * Automatically turns off after 4 minutes of no movement or vibration - saving battery and laser life
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 - * Laser Head is CNC Machined from a Solid Block of 60 61-T6 Aluminum Alloy (Aircraft Aluminum) * Laser Head is Anodized - Isolating the Electronics from the Fork Truck & Protecting the Aluminum Laser Head from Oxidation & Harsh Chemicals * Battery Compartment Encased in 1.5" x 2" Square Steel Tubing (1/8" Thick) * All Welding is MIG Welded for Deep Penetration & Durability * All Steel Parts Have High Quality, Commercial Powder Coats (Color Determines the Model) * All Nuts and Bolts are Stainless Steel or Grade 5 or Better * Battery Cover is a Molded Silicon Rubber Material - Withstanding Extreme Heat and Sub-Zero Temperatures - and is Impervious to Water, Oil, Gas, Acids, & most Common Chemicals

Cold Storage Unit

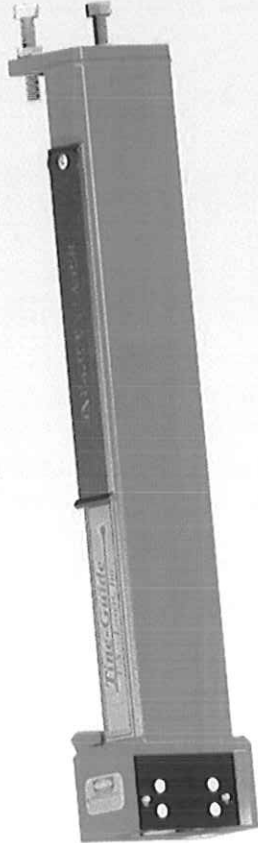
Forklift Laser Guidance System



- **ENTIRE UNIT IS WATERPROOF**
 - * Designed for use in Freezers and/or Warehouses with High Humidity
- **INCLUDES TWO RECHARGEABLE NICKEL METAL HYDRIDE (NIMH) BATTERIES AND A CHARGER**
 - * 50+ Continuous Hours of Life per Battery * Quick Charge 3 hrs/Full Charge 8 hrs - 4800 Amp Hours * Batteries are Double Shrink-wrapped for Durability * Charger is Solid-State, Long Lasting, and is Specially Designed for NIMH Battery Charging
- **THE BRIGHTEST, MOST RELIABLE LASER AVAILABLE**
 - * 635nm (Nanometer) - The Ideal Wavelength for Maximum Visibility * 5mW (milowatt) - The Highest Wattage Allowed by FDA-CDRH Government Regulations for a Commercial Class 3A Laser Product * Equipped with a Dot or Line Laser (Your Choice): The line generated lasers are great for low-light areas such as warehouses. The dot lasers are excellent for cold storage and outdoor use.
- **EQUIPPED WITH UNIQUE, STATE-OF-THE ART VIBRATION SENSITIVE, SOLID STATE CIRCUIT**
 - * Automatically turns off after 4 minutes of no movement or vibration - saving battery and laser life
- **EASY TO INSTALL AND ADJUST (Simply Hook on Carriage, Tighten, and Adjust Laser)**
 - * Required Tools: 5/32 Allen Wrench (Included w/ Unit), 9/16 Open Box-End Wrench * Once Installed - No Maintenance is Required
- **STANDARD MODELS FIT ALL STANDARD CLASS (I-IV) FORKLIFT CARRIAGES**
- **DURABLE HOUSING**
 - * Laser Head is CNC Machined from a Solid Block of 60 61-T6 Aluminum Alloy (Aircraft Aluminum) * Laser Head is Anodized - Isolating the Electronics from the Fork Truck & Protecting the Aluminum Laser Head from Oxidation & Harsh Chemicals * Battery Compartment Encased in 1.5" x 2" Square Steel Tubing (1/8" Thick) * All Welding is MIG Welded for Deep Penetration & Durability * All Steel Parts Have High Quality, Commercial Powder Coats (Color Determines the Model) * All Nuts and Bolts are Stainless Steel or Grade 5 or Better * Battery Cover is a Molded Silicon Rubber Material - Withstanding Extreme Heat and Sub-Zero Temperatures - and is Impervious to Water, Oil, Gas, Acids, & most Common Chemicals

V70 Tine-Guide

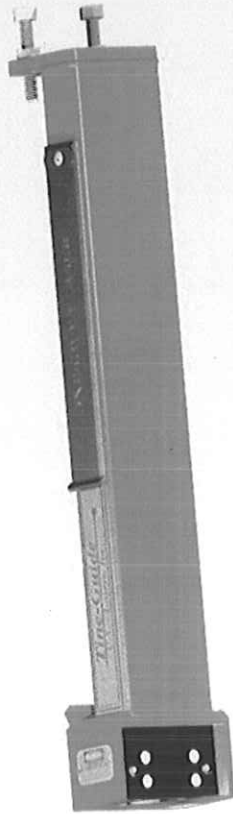
Forklift Laser Guidance System



- **HARDWIRES DIRECTLY INTO FORK TRUCK BATTERY**
 - * Suitable for 12 to 55 DC Voltage Systems *
 - Comes with Matching Pigtail * Wires are Oil and Water Resistant * Qualified Personnel Required for Self-Installation
- **THE BRIGHTEST, MOST RELIABLE LASER AVAILABLE**
 - * 635nm (Nanometer) - The Ideal Wavelength for Maximum Visibility *
 - 5mW (milowatt) - The Highest Wattage Allowed by FDA-CDRH Government Regulations for a Commercial Class 3A Laser Product *
 - Equipped with a Dot or Line Laser (Your Choice): The line generated lasers are great for low-light areas such as warehouses. The dot lasers are excellent for cold storage and outdoor use.
- **EQUIPPED WITH UNIQUE, STATE-OF-THE ART VIBRATION SENSITIVE, SOLID STATE CIRCUIT**
 - * Automatically turns off after 4 minutes of no movement or vibration - saving battery and laser life
- **EASY TO INSTALL AND ADJUST (Simply Hook on Carriage, Tighten, and Adjust Laser)**
 - * Required Tools: 5/32 Allen Wrench (Included w/ Unit), 9/16 Open Box-End Wrench *
 - Once Installed - No Maintenance is Required
- **STANDARD MODELS FIT ALL STANDARD CLASS (I-IV) FORKLIFT CARRIAGES**
- **DURABLE HOUSING**
 - * Laser Head is CNC Machined from a Solid Block of 60 61-T6 Aluminum Alloy (Aircraft Aluminum) *
 - Laser Head is Anodized - Isolating the Electronics from the Fork Truck & Protecting the Aluminum Laser Head from Oxidation & Harsh Chemicals *
 - Battery Compartment Encased in 1.5" x 2" Square Steel Tubing (1/8" Thick) *
 - All Welding is MIG Welded for Deep Penetration & Durability *
 - All Steel Parts Have High Quality, Commercial Powder Coats (Color Determines the Model) *
 - All Nuts and Bolts are Stainless Steel or Grade 5 or Better *
 - Battery Cover is a Molded Silicon Rubber Material - Withstanding Extreme Heat and Sub-Zero Temperatures - and is Impervious to Water, Oil, Gas, Acids, & most Common Chemicals

Dual V70 Tine-Guide

Forklift Laser Guidance System



- **HARDWIRES DIRECTLY INTO FORK TRUCK BATTERY**
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 - Qualified Personnel Required for Self-Installation
- **THE BRIGHTEST, MOST RELIABLE LASER AVAILABLE**
 - * 635nm (Nanometer) - The Ideal Wavelength for Maximum Visibility *
 - 5mW (milowatt) - The Highest Wattage Allowed by FDA-CDRH Government Regulations for a Commercial Class 3A Laser Product *
 - Equipped with both a Dot and Dash Laser (One to Guide the Forks into the Pallet - the Other to Guide the Pallet onto the Rack)
- **EQUIPPED WITH UNIQUE, STATE-OF-THE-ART VIBRATION SENSITIVE, SOLID STATE CIRCUIT**
 - * Automatically turns off after 4 minutes of no movement or vibration - saving battery and laser life
- **EASY TO INSTALL AND ADJUST (Simply Hook on Carriage, Tighten, and Adjust Laser)**
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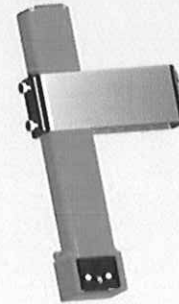
V70 Fork Mount

Forklift Laser Guidance System



- UNIVERSAL MOUNTING BRACKET FITS ANY SIZE FORK/TINE

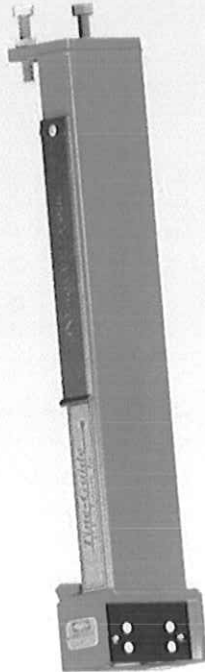
Fork Thickness		Fork Width
1 1/4 inches	x	4 inches
1 1/2 inches	x	3", 4", 5", 6", 7", 8"
1 3/4 inches	x	4 in.- 5 in. -6in.
2 inches	x	4", 5", 6", 8"
3 inches	x	8 inches



- **HARDWIRES DIRECTLY INTO FORK TRUCK BATTERY** * Suitable for 12 to 55 DC Voltage Systems * Comes with Matching Pigtail * Wires are Oil and Water Resistant * Qualified Personnel Required for Self-Installation
- **THE BRIGHTEST, MOST RELIABLE LASER AVAILABLE**
* 635nm (Nanometer) - The Ideal Wavelength for Maximum Visibility * 5mW (milowatt) - The Highest Wattage Allowed by FDA-CDRH Government Regulations for a Commercial Class 3A Laser Product * Equipped with a Dot or Line Laser (Your Choice): The line generated lasers are great for low-light areas such as warehouses. The dot lasers are excellent for cold storage and outdoor use.
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V70 Cold Storage

Forklift Laser Guidance System



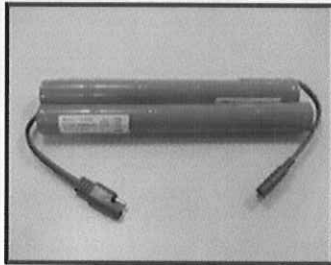
- **ENTIRE UNIT IS WATERPROOF**
 - * Designed for use in Freezers and/or Warehouses with High Humidity
- **INCLUDES TWO RECHARGEABLE NICKEL METAL HYDRIDE (NIMH) BATTERIES AND A CHARGER**
 - * 50+ Continuous Hours of Life per Battery * Quick Charge 3 hrs/Full Charge 8 hrs - 4800 Amp Hours * Batteries are Double Shrink-wrapped for Durability * Charger is Solid-State, Long Lasting, and is Specially Designed for NIMH Battery Charging
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- **STANDARD MODELS FIT ALL STANDARD CLASS (I-IV) FORKLIFT CARRIAGES**
- **DURABLE HOUSING**
 - * Laser Head is CNC Machined from a Solid Block of 60 61-T6 Aluminum Alloy (Aircraft Aluminum) * Laser Head is Anodized - Isolating the Electronics from the Fork Truck & Protecting the Aluminum Laser Head from Oxidation & Harsh Chemicals * Battery Compartment Encased in 1.5" x 2" Square Steel Tubing (1/8" Thick) * All Welding is MIG Welded for Deep Penetration & Durability * All Steel Parts Have High Quality, Commercial Powder Coats (Color Determines the Model) * All Nuts and Bolts are Stainless Steel or Grade 5 or Better * Battery Cover is a Molded Silicon Rubber Material - Withstanding Extreme Heat and Sub-Zero Temperatures - and is Impervious to Water, Oil, Gas, Acids, & most Common Chemicals

Accessories

Forklift Laser Guidance System



Battery



Rechargeable Nickel Metal Hydride (NiMH) batteries with an average life of 50 hours of continuous use. Extra batteries and chargers are available if

Charger



The recharging process consists of plugging the battery into the supplied charger. (Works off of any 110 VAC outlet.) Fast charge feature

Universal Clamp



Universal mounting bracket makes Tine-Guide unit fit any size fork/tine.

Warranty & Shipping

Forklift Laser Guidance System



What is and is not covered: All parts defective in material and workmanship ARE covered. Defects that have resulted from improper or unreasonable use or maintenance, accident, excess moisture, insects, improper maintenance, impact, or unauthorized tampering, alteration or modification are NOT covered.

For how long: The Tine Guide Limited Warranty lasts one year from the purchase date for electronic products, systems, and laser module. The Limited Warranty on the metal housing is five years.

What we will do: We will, at our sole option, repair or replace any defective parts within a reasonable period of time - free of charge.

What we will NOT do: Pay shipping or transportation charges from you to us.

Exclusive Remedy: This Limited Warranty is fully transferable provided that the current owner furnishes the original proof of purchase from an authorized Tine Guide dealer. THE MAXIMUM LIABILITY OF Tine Guide or US Lasers SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE PAID BY YOU FOR THE PRODUCT. IN NO EVENT SHALL US Lasers BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES.

What you must do to obtain Limited Warranty service by requesting an RMA for repair. Return product with receipt from the authorized Tine Guide Dealer you purchased from.

Call 912-379-9000 to request an RMA.

All shipments of Tine-Guide Lasers with a quantity of 10 units or less are shipped by way of USPS Priority Service. You will be billed our cost of shipping plus a small additional fee we pay to insure our packages. We have found this method of shipping to be the most cost effective and reliable in the area for our products. We are happy to accommodate you by shipping via your preferred method if you provide us with a prepaid shipping label and you will need to call for a pickup at our location to be billed to your account. (Pickup charges with UPS are usually about ten dollars, billed separately by UPS. FedEx ground is currently charging five dollars per package, billed separately by FedEx). If you are shipping your preferred, method make sure if you want insurance on the shipment to add it when filling out the label. Our shipping insurance only applies to shipments through the USPS. Most of our shipments are via a trucking line so we don't have a daily pickup at our location for any of the standard shipping companies.

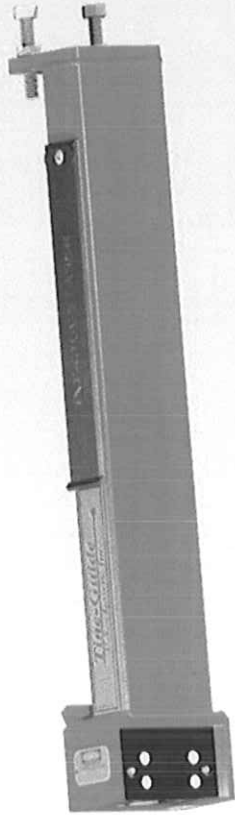
Any quantity over 10 units will be shipped via a Truck service. The truck lines vary according to the cost and it will be billed on your invoice at our cost. We are happy to use your freight lines if it is billed to your account. Estes Trucking Company is no longer allowed on our property so please take this into consideration when making arrangements for your shipment.

US Lasers priority is to ship our products as safely, quickly and cost effectively as we can.

Notes

Tine-Guide

Forklift Laser Guidance System



US Lasers has been developing and manufacturing laser products since 1992. Based out of Hazlehurst, GA, US Lasers is a leading manufacturer of laser guidance systems - supplying custom products for a number of commercial and industrial businesses. US Lasers' state-of-the-art facility, coupled with their advanced product development, ensures clients the finest products and services available.

US-Lasers Inc.



1 Laser Lane • Hazlehurst, GA 31539

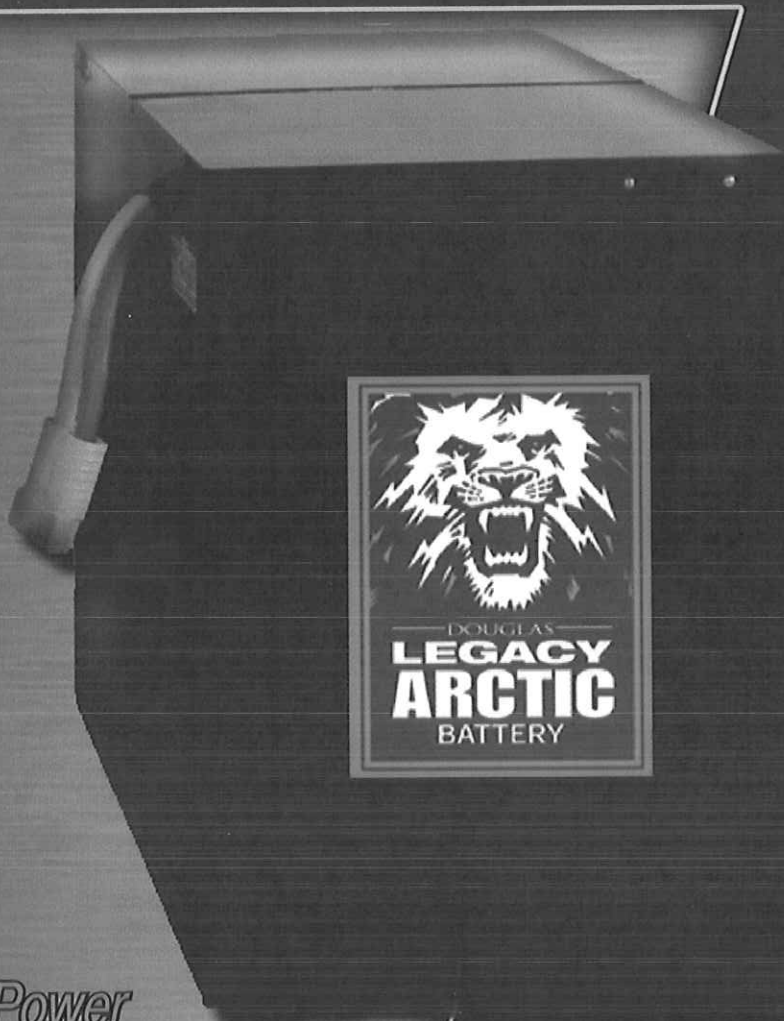
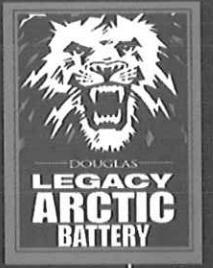
Phone: 912-379-9000

Fax: 912-375-9555

www.tgl1.com

- Quality Laser Product Since 1992 -

LEGACY®



*Extreme Power
for Cold Storage
Battery Applications*

DOUGLAS LEGACY® ARCTIC BATTERY

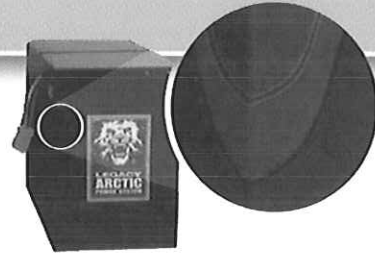


DOUGLAS BATTERY
Connect with a leader.

DOUGLAS LEGACY®



The battery tray thermal insulator reduces cold effect on cells and improves performance of outer cells that are most effected by cold applications.



Battery Performance Features:

Legacy® Arctic Battery

- Special Arctic Electrolyte solution
- Battery tray thermal insulator reduces cold effect on cells and improves performance of outer cells that are most effected by cold applications
- Improved voltage, capacity and life

Legacy® Arctic Charge Profile

- Optimized cold temperature setting for cold conditions
- Temperature compensated I/EI charge profile and Delta Voltage over Delta Time termination for more precise charge control
- Protects against under-charging and de-ration of capacity and charge acceptance

Five-Fold Plate Insulation System

- Vertical fiberglass strands; woven glass mat; compression mat; rigid, perforate PVC shell; and sleeved separator
- Assures dependable performance for many years under the toughest conditions

Flip-Top Vent Caps for Easy Watering

- Reduces electrolyte dripping onto cell covers
- Removeable caps
- Safe, easy, convenient operation
- Save time and money
- Eliminate lost vent caps
- Water level indicator (basket) for more accurate filling procedures

Quick Connect Cables - Optional

- Makes cable replacement as simple as the turn of a bolt
- Reduces downtime
- Maintenance friendly

Douglas Battery® Premium Tray Coating

- Trays protected with electrostatic baked-on epoxy to withstand corrosion and the coldest, roughest working conditions
- Reduces voltage tracking and shorts
- Saves maintenance on lift truck roller compartments
- Reduces rust caused by condensation formed in cold storage environments



DOUGLAS BATTERY

Douglas Battery
1255 Creekshire Way, Suite 221
Winston-Salem, NC 27103

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Section 15.11 Rev. A 2/12

DOUGLAS LEGACY® ARCTIC BATTERY

DOUGLAS LEGACY®

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. **Application is made for 5% resident vendor preference for the reason checked:**
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Signed: William Ward
 Date: Title:

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

RFQ No. AGR1223

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentally established by a county or municipality; any separate corporation or instrumentally established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: DoDContractors.org, LLC

Authorized Signature: William Ward Date: 3-29-2012

State of West Virginia

County of Summers, to-wit:

Taken, subscribed, and sworn to before me this 28th day of March, 2012.

My Commission expires June 19th, 2013.

AFFIX SEAL HERE

NOTARY PUBLIC Lola Maria Marvin

