

NORTHTECH

Machine, LLC

NT FR 200 FRAME SAW



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NT FR-200 Precision Frame Saw

Northtech Frame Saw is arranged with the following features and specifications:

Saw capacity of 6" width x 8" vertical capacity, custom frames / guides are available per request, main drive motor to saw frame is 30HP 3PH, servo drive system to feed works is 5KW 3PH, blower to saw frame rack for added cleaning value is 3HP 3PH, body of frame saw is (2) sections allowing for fast access to the saw frame, saw blade speed is fixed at 550RPM, dust extraction requires min 3000 CFM and is arranged with (4) 5" ports, blade size is standard with 620mm L x 40mm W x 0.9mm body in stellite or TCT tip, digital electronic oiling system provides proper lubrication to the saw frame guides and vertical rail system which allows optimum cooling and long term durability, (4) guide blocks are thermo-censored to allow auto shut-off of machine should possible heat build up occur, are met, with tool box and parts and operation manual.

- Warranty is one year parts
- All machines are tested stateside prior to shipment providing trouble free start up.



NEW F.O.B. Borden, IN . . . \$109,000

* Any shipping date quoted by Northtech is an estimation based on factory delivery. Northtech cannot guarantee delivery, nor do we assume any liability for delays or non-shipment arising from any cause. Pictures are for reference only, design and specifications of all Northtech Products sold are subject to change without notice. Quotes are valid for 30 days after time received. *

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FRAME SAW

ER200/250



Design With Efficiency & Convenience In Mind!

Designed and engineered by Northtech Machine. This frame saw integrates many fine features with regards to continuous usage and incredible finish. Through many years of constant improvement and technological breakthrough, the machines present outstanding operation performance, reduced blade wear, and low noise level. We fully guarantee the machine's performance and profitability in production. Proven technology with over 200 machines sold since 2001.

Convenient control panel

The centralized control panel provides maximum operation convenience. Major control functions include feed speed display, feed speed regulation, timer, start and stop controls, emergency stop and pneumatic controls.



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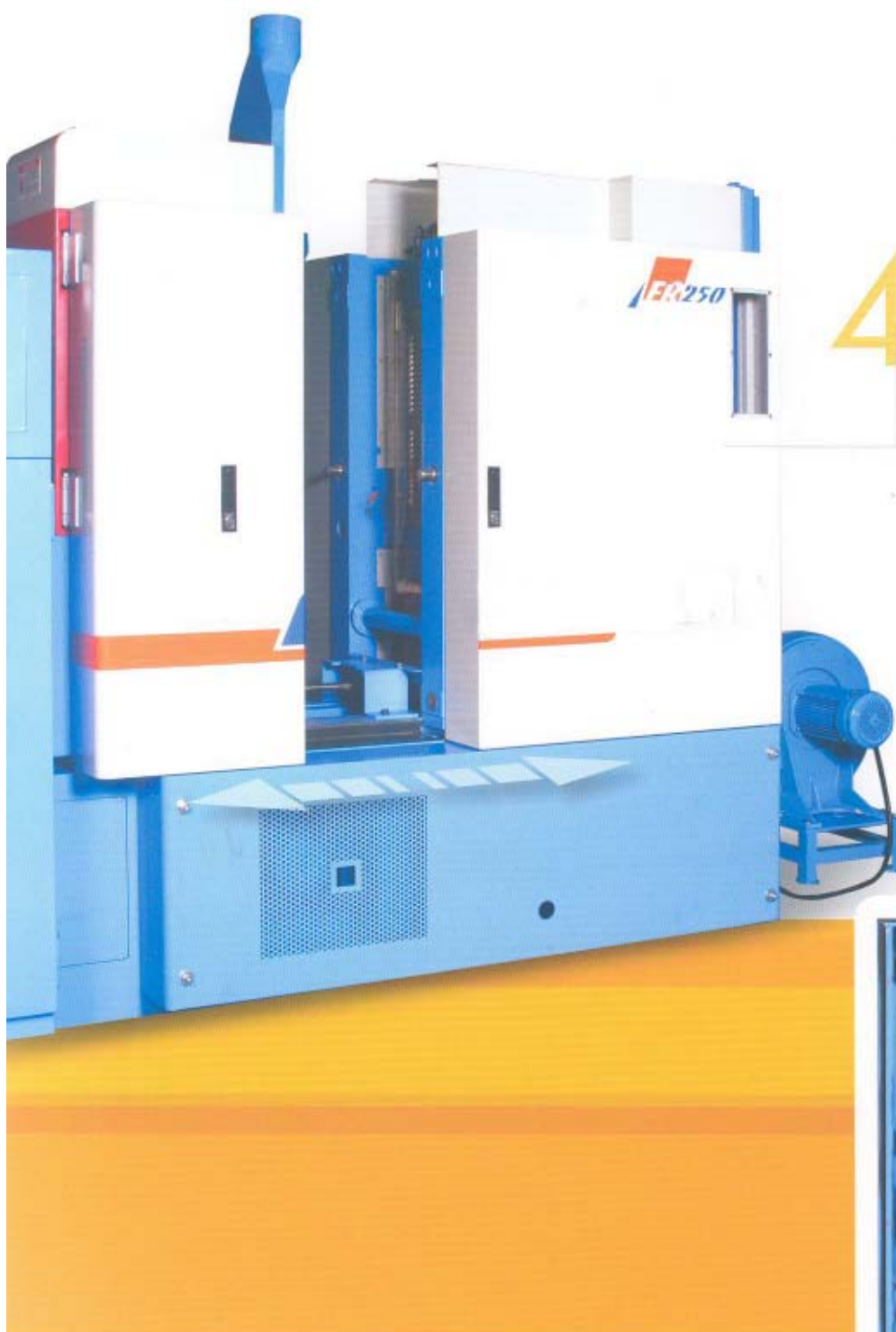
Automatic lubrication of main saw frame. Lubrication frequency as digitally controlled.



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- Feed rollers are driven by a servo motor and controls for optimum finish and maximum feed speed.
- The servo drive fully ensures the perfect sequence of cutting dovetailed with material feed.





Convenient frame replacement

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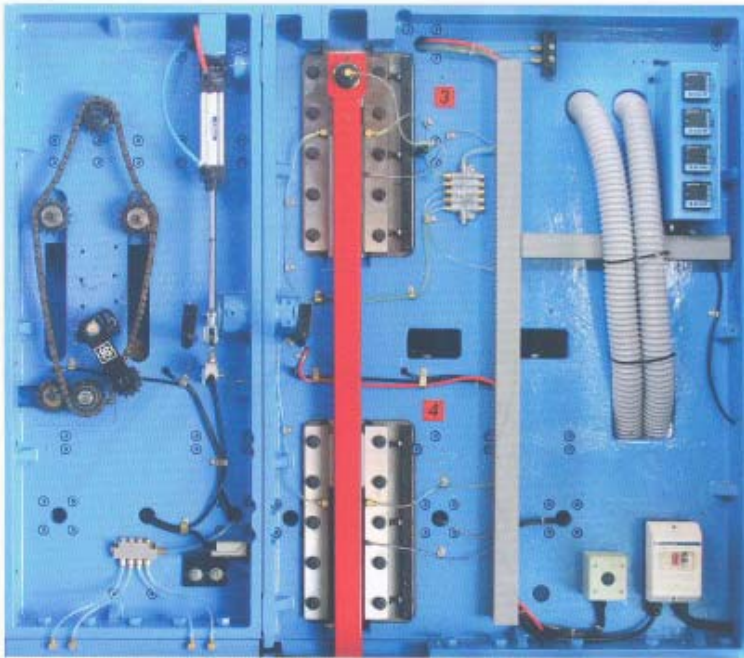
The front and rear machine plates can be separated to facilitate mounting or dispatching of the saw frame. Upper roller is driven by chain. Fast and convenient access to the saw frame (sliding rails) allows changing of the saw frame in less than 5 minutes.

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Electric & Pneumatic Controls

All main power electric connectors, and air control system are easy to access and thus maintain.

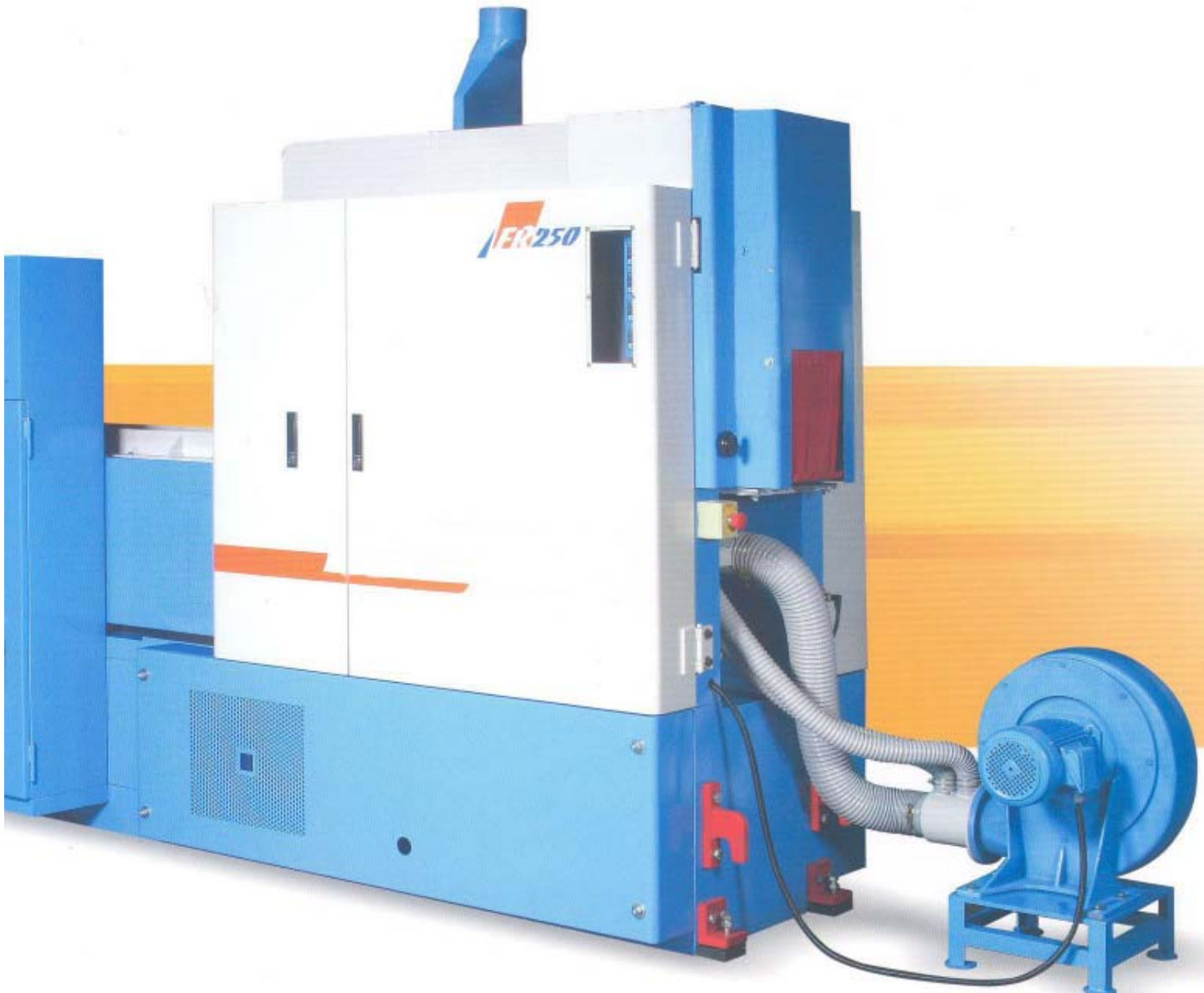




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Micro computer temperature controller

Each slide is wired with an electronic (LED) temperature indicator. This electronic heat sensing device provides AUTOMATIC SHUT DOWN OF THE MAIN MOTORS should the steel guide rail temperature rise above 120°F. This feature protects against a possible malfunction in the oil injectors.





7 *Efficient dust removal*

The upper and lower air blast nozzles, provided at the back side of the blades, are used for cooling blades and removing saw dust. 5" x 4 hold dust chutes are equipped on the machine facilitating optimum blade life and finish characteristics.



Feed fences can be changed to suit various wood materials.

(NEW)

Rugged structure

The saw frame is manufactured from durable aircraft grade aluminum alloy, permitting proper saw blade tensioning and vibration free performance. Special heat treatment processes are employed.

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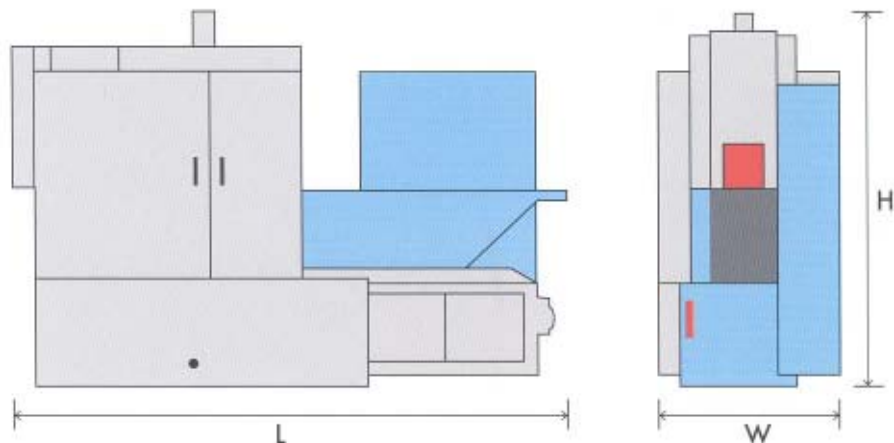


Machine Specifications

MODEL	FR-200	FR-250
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Motor	30HP+1/4HP + 3HP (blower) + Skw (servo)	40HP+1/2HP + 3HP (blower) + Skw (servo)
Max. Working Height	200mm x 8"	250mm / 10"
Min. Working Height	50mm x 2"	60mm / 2-1/4"
Max. Working Width	150mm / 6"	8"
Min. Working Length	300mm / 12"	300mm / 12"
Feed Speed	0.3' - 6' min.	0.3' - 6' min.
Saw Blade Speed	550 R.P.M.	550 R.P.M.
Saw Blade Stroke	210mm / 8-1/4"	260mm / 10-1/4"
Saw Blade Size	500x40x0.9mm (body) with stellite or T.C.T.	620x40x1.0 or 0.9mm (body) with stellite or T.C.T.
Max. # of Saw Blades	25 pieces	36 pieces
Min. Thickness of Part	2.0mm +/- 0.1mm (tolerance)	3.0 +/- 0.2mm (tolerance)
Saw kerf	1.2 ~ 1.5mm (various kerfs & pitch are avail)	1.4 ~ 1.6mm (various kerfs & pitch are avail)
Dust Pipe	5" x 4 ports	5" x 4 ports
Machine Dimensions	122"L x 40"W x 79"H	125"L x 45"W x 85"H
Net Weight	7,100 lbs.	9,240 lbs.
Gross Shipping Weight	7,700 lbs.	9,800 lbs.
STANDARD EQUIPMENT • digital lubrication system • feed speed meter • aluminum frame 1 unit • saw rack (iron) 1 unit		

Machine Description



* All specifications, dimensions and design characteristics shown in this catalog are subject to change