

NC Bre.Ma. MACHINE MOD. VEKTOR 15-13 / 1R10+1MI

TECHNICAL FEATURES

POS. 1: SINGLE LAODING DEVICE L=2000 MM

Motorized belt conveyor for panel in feeding with side roller bulkhead for panel supporting, complete with motorized belt L=2000 mm and programmable speed variation driven by inverter.

The photocells and the N.C. program allow a constant feeding into the machine of one or more panels through selector (single-continuous).

- Belt length: 2000 mm

- Width: 500 mm

Height from the floor: 850 mm

- Overall height: 1400 mm

Belt movement driven by:

- Nr. 1 motor by 0.75 KW
- Nr. 1 inverter by 0.75 KW
- Programmable speed.

POS. 2: CNC MACHINE MOD. VEKTOR 15-13 / 1R10+1MI

Normalized and sandblasted steel structure with a column entirely worked in order to be equipped with two-ball race guides for re-circulating-ball sliding blocks.

The front of the column is arranged for mounting a 10 positions revolver unit and a self-selecting drilling units.

Thanks to the electronic program, the horizontal vice enables to preset the thickness of the panel. The aluminium shapes, anodised and mechanically high- resistant, support the rubbed wheels (Ø 50 mm). Since they can be fixed at different heights, every sort of panel can be processed.

Max. workable panel thickness: 50 mm (An additional check is advisable in case of handling parts added).

Min. workable panel thickness: 10 mm

Counter-pressure pneumatic system lead by N.C. for vertical vice opening and closing, which is located in front of the boring units positioned on the front face of the column. Thanks to this system it is possible to make passing borings in every spot of the panels with no manual operations.

Brushless motor power: 8.34 Nm and programmable moving speed.

(M.O. AVIS)

Vertical vice composed by a crossbar and rubber wheeled supports (Ø 80 mm), which enables to preset the height of each panel.

Max. workable height of the panel: 1300 mm

Min. workable height of the panel: 50 mm (for pieces with height less than 40 mm execution on request)

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SPECIAL DEVICE: PANEL HEIGHT READING SYSTEM

Panel height reading system composed by 2 couples of photocells able to detect the panel height before the panel enters into the machine.

<u>Functioning mode:</u> The system is installed on the vertical vice and in case the panel height does not correspond to the programmed one in dimension, the panel is not allowed to enter into the machine.

The system for displacement of vertical vice is composed by rack and pinion equipped with Brushless motor (power 28.4 Nm) and programmable moving speed from 0 to 60 mt/min, allow the movements. (M.V. AXIS)

Chain patented HP Bre.Ma. with length 1500 mm endowed with laser photocells able to notice during phase of introduction in machine the "zero" of reference panel for the execution of the operations. The mechanical construction of such group allows the exact positioning of the panel in the different phases of work.

The system is complete besides of rubber roller skate, on which the movement of the panel happens in machine during the phase of work, giving the possibility to the various groups to perform every type of operation.

Power of the motor Brushless 28.4 Nm with programmable.

Workable maximum length of the panel: 2500 mm

Workable minimum length of the panel: 300 mm. In the case of panels with lengths of dimensions up to 350 mms, the height never has to overcome of 1,5 times the dimension of the base of the piece. (X AXIS)

LUBRICATION UNIT

Forced and centralized lubrication on all mechanical parts in motion automatically controlled by one 0.25 HP electro-pump.

ELECTRIC AND ELECTRONIC CABINET

The electrical and electronic cabinet with IP 54 protection is complete with all the power elements for controlling **8 AXES**.

The system is equipped with conditioning system for keeping a temperature inside the cabinet of 35°C. The Brushless motors and related drivers are predisposed for digital signal transmission and they comply with CE and E.M.C. regulations (electromagnetic compatibility).

MACHINE EQUIPMENT

FRONT OF THE COLUMN

the horizonal drilling with

ONE SELF SELECTING DRILLING UNIT 7+17 x 32 MM Unit composed by 7 horizontal

All the spindles are equipped with quick release chucks.

Motor by 4.5 HP and inverter by 3.7 KW allowing a variation in the rotation speed of the tools up to 6000 rpm.

The Brushless motor by 5.39 Nm allows to control the boring depth and a programmable speed from 0 up to 30 mt/min.

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(Z3 AXIS)

The lifting unit for independent drills unit is fixed on 4 re-circulating-ball sliding blocks, it is powered by a re-circulating ball screw. Positioning is lead by a Brushless motor by 18.6 Nm with programmable speed from 0 up to 60 mt/min.

(Y3 AXIS)

SPECIAL:

The self-selecting drilling unit is also equipped with 2 self-selecting double edge boring units for the execution of holes on the front and rear edges of the panel.

10 POSITIONS REVOLVER UNIT

Nr.1 10 position revolver unit with tool change system lead by N.C. which can use tool holders for boring, routing and milling. The heads blocking system is equipped with all the safety measures and enables the motor by 7.5 HP and the electronic inverter by 7.5 KW to control the rotation of all the tools up to 18000 rpm.

1800 μ

The axis-controlled revolver rotation allows through one Brushless motors power 5.39 Nm a very fast change, turning from a position of the processing tool to another in a very short time. (R4 AXIS)

The Brushless motor by power 5.39 Nm allows the control over boring and routing depth. Displacement speed from 0 up to 30 mt/min. (Z4 AXIS)

The revolver lifting unit is fixed on 4 recirculating-ball sliding blocks, it is powered by a recirculating ball screw and it is counterbalanced in order to get fast and accurate movements lead by a Brushless motor by 18.6 Nm with programmable speed from 0 up to 60 mt/min.

(Y4 AXIS)

N. 10 processing heads to be mounted into the revolver unit are included at customer's choice.

POS. 3: SIDE-SHIFTING DEVICE L=2000 MM STROKE= 1100 MM

Side shifting device that transfers the panel vertically by a 2000 mm motorized belt. The brushes, adjustable in height, are installed on aluminium-profiles for panel supporting.

The shifting device can receive panels coming out from the machine in a vertical position and forward it to the next stations.

The belt speed is driven by motor with inverter.

The photocells and the electronic system control the constant panel unloading.

- Belt length: 2000 mm
- Stroke length: 1100 mm
- Working height: 850 mm
- Overall height: 1400 mm

Belt movement driven by:

- Nr. 1 motor by 0.37 KW
- Nr. 1 inverter by 0.75 KW

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- Programmable speed.

Transfer device movement driven by:

- Nr. 1 motor by 0.75 KW
- Nr. 1 inverter by 0.75 KW
- Programmable speed.

POS. 4: UNLOADING ROLLER CONVEYOR L=3200 MM

Unloading roller conveyor complete with motorized belt L=3200 mm and programmable speed variation driven by inverter.

The system is equipped with side rollers adjustable in height installed on aluminium profiles for panel / supporting

The photocells and the N.C. program allow the constant panel unloading out of the machine. The device is complete with selector for manual unloading of the panels by the operator.

- Belt length: 3200 mm
- Height from the floor: 850 mm
- Overall height: 1000 mm

Belt movement driven by:

- Nr. 1 motor by 0.37 KW
- Nr. 1 inverter by 0.75 KW
- Programmable speed.

POS. 5: CONTROL CABINET WITH PC

(CNI) + 2 KEYS

Control cabinet complete with P.C. with push-button panel and message-transmitting device. Personal Computer with Processor Pentium IV or higher of last generation (3 GHz), memory RAM 512 MB, hard disk 80 GB, unit CD/RW, unit DVD/ROM, keyboard, mouse, colour video 17" complete with Windows XP Professional operative system.

On the video, in programming phase, appears the graphic of the processing to be executed on the panel, in such a way to be checked directly by operator. The hard disk unit allows the registration of the programmes to be executed.

Included SW:

- > Software for linear, circular and helicoidally interpolation.
- > Software for double zero reading.
- > Optimiser for revolver tool diameter.
- > Optimiser for independent spindle tool diameter.
- > Converter of .dxf files (only geometric conversion)
- Import of processing lists in ASCII format
- > Internal MODEM card with software for tele-assistance connection
- > Net card PCI 10/100 for LAN connection

The PC is complete with barcode reading device with wireless gun.

POS 6: SAFETY GUARDS

Safety fences with safety doors and electric system according to CE regulations for accident prevention.

CE NOWS

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Quote #1907-07 March 28, 2007

Warranty: A limited 12 month parts and labor, see details in Terms and Conditions of Sales. 36つ い

Total Machine Cost

\$547,600.00

The price on this proposal is related to the specific machine serial number and is valid only for thirty (30) days and is subject to sale.

This quotation replaces all previous written and verbal understandings, and the specifications and representations contained herein are the sole understanding between your Company and Biesse Canada.



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BIESSE CANADA TERMS AND CONDITIONS OF SALE

The foregoing proposal by BIESSE CANADA INC. ("Seller") is subject to the following terms and conditions:

- 1. CONTRACT FORMATION. The data shown in illustrations, drawings, measures and weights of the machines and of the installations are approximate and indicative; therefore they are not binding for Seller. The illustrations and drawings can in no way be copied or transferred to others. This proposal by Seller constitutes an offer to sell goods (hereinafter the "Offer"), revocable at any time by Seller prior to acceptance, and in any event shall be void unless written acceptance by the customer ("Buyer") has been received by Seller within thirty (30) days from the date thereof. Seller rejects and/or revokes all prior offers, terms and conditions concerning the subject matter, and Seller objects to any terms and conditions in an acceptance of this offer by Buyer which vary the terms hereof. This offer may be accepted by Buyer's signature and return to Seller of the "Acknowledgement Copy" of the proposal. Buyer's acceptance of delivery of any part of the goods sold hereunder, or any payment by Buyer for such goods shall constitute Buyer's acceptance of this proposal and all terms and conditions herein. The Seller has the right to cancel any accepted Order without further liability to the Buyer other than the refunding to Buyer of any payments for such goods tendered by Buyer to Seller prior to cancellation. Seller shall notify Buyer with reasonable delay of any such cancellation and the reasons therefore.
- 2. DELIVERY, SHIPMENT, TITLE, RISK OF LOSS. Delivery of goods covered hereby shall be F.O.B. customer's dock door or FOB such other location as Seller may designate from time to time. Seller may, at its option, ship all of the goods covered hereby at one time or in portions from time to time. Seller shall attempt to ship goods for delivery on or about the time stated herein, although time shall not be of the essence of this contract. In the absence of instructions from Buyer, Seller shall have absolute discretion as to mode and routing of shipments. Title and ownership to the goods shall remain to the Seller until Seller has received full payment therefore.
- 3. PRICE ADJUSTMENT. The prices of goods covered hereby are based on the current price levels of Seller's suppliers who are manufacturers of goods. In the event that supplier's price level for any good shall increase from date hereof until the date of acceptance of this Offer, the price to be paid by Buyer for such good shall be adjusted in the same percentage that the price level of Seller's suppliers for such item increases. Should there be charges adverse to Seller in currency exchange rates or in import duties affecting the goods sold hereunder between the date hereof and the date of acceptance of Offer, Seller shall have the right to adjust the price to be paid by Buyer for goods sold hereunder, in the same percentage that the currency exchange or the import duties shall have changed.
- 4. ADVANCE PAYMENTS. Advance payments shall not bear interest. Seller will start execution of this Offer only upon receipt of the advance sum, previously agreed. Should the Buyer cancel the Offer, the advance payment shall not be refundable. Should the amount of damages exceed the amount of advance payment paid by Buyer then Buyer shall be responsible to pay the additional amount not covered by the advance payments.
- 5. FORCE MAJEURE. Seller shall have no liability for any non-performance or delay in performance caused by circumstances beyond Seller's control including, but not limited to, acts of God, fire, flood, war, government action, accident, labor trouble or shortage, inability to obtain material, equipment or transportation, or failure of Seller's suppliers to furnish the goods.
- SUPERVISION OF SETTING UP AND STARTING GOODS. Upon request, Seller will provide a superintendent of its own selection to supervise the setting up and starting of goods. Buyer shall pay seller for services and all expenses
 - of the superintendent which are connected with such supervision. In providing a superintendent to supervise the setting up and starting of the goods, Seller accepts no responsibility for material and equipment or for the acts of persons furnished by Buyer. Upon request and instruction from Buyer, Seller will install its machines [goods?], however, costs of installation will be charged to Buyer unless otherwise agreed and confirmed in writing by Seller.
- 7. TAXES. Buyer shall pay all personal property, sales, excise, use and other taxes applicable to the sale, purchase, storage, erection, use or ownership of the goods covered hereby regardless of whether such taxes are invoiced by Seller.
- PAYMENT TERMS. Any payment not made to Seller when due shall accrue interest at the annual rate of twelve percent (12%)
 computed for the actual period of such delinquency. All payments shall be made at the office of Seller in Terrebonne, Québec

Buyer Initials:





and payment shall not be deemed to have been made until so received by Seller. Unless otherwise agreed upon in writing by Seller, all machines must be paid in full no later than 5 days from the date of the installation of the machines if provided by Seller. Otherwise full payment is due by the day of delivery of the goods. Should Buyer fail to pay any amount due to Seller, Seller at its exclusive option will suspend any and all technical assistance and service to Buyer including sale of spare parts until any an all outstanding amounts including penalty, reasonable attorney fees and interest due to Seller is paid in full.

- 9. NO LIABILITY TO THIRD PERSONS. Seller shall not be liable whatsoever to Buyer for any claim or action by any third party arising out of, or alleged to rise out of, or relating to the use of goods covered hereby, the presence of Seller's employees on Buyer's premises in connection with this agreement or out of the use, by Buyer, or third parties, of the goods covered hereby. Third Parties shall include, without limitation, employees of Buyer and Seller as well as all third parties not connected with Buyer or Seller.
- 10. REMEDIES OF BUYER AND LIMITATION OF WARRANTIES. Seller warrants that the goods sold hereunder shall be free, for a period of twelve months, from the date of delivery, on a basis of the use of the goods for eight working hours per day, from defects in material and workmanship. During the warranty period, Seller may, at its sole discretion, repair, replace or pay the reasonable costs (at depreciated value) of any defective parts or goods due to bad materials or due to construction faults, provided that notice in writing by registered mail is given to Seller within thirty (30) days after discovery of such defect by Buyer. Seller shall have no obligation to remedy any defect except upon delivery of the defective part or parts to BIESSE CANADA INC. in Terrebonne, Québec. Any modification, alteration or improper use by the user of the good (s) shall void the limited replacement warranties herein stated. The

repair, replacement, or payment in the manner described above shall be the exclusive remedy of Buyer for breach of Seller's warranty. The guarantee does not apply to damage or breakage due to lack of operating skill, negligence or improper use of the machine by the Buyer. Buyer affirms that he has not relied on Seller's skill or judgment to select or furnish goods suitable for any particular purpose and Seller makes no warranty that goods sold under this agreement are fit for a particular purpose. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED AND SELLER DISCLAIMS ALL OTHER WARRANTIES WHATSOEVER, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. It is expressly agreed that Buyer shall have no right of recovery against Seller and SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, OR COSEQUENTIAL DAMAGES TO PERSONS OR PROPERTY OR LOSS OF PROFITS. Parts used in

the machinery not manufactured by Seller, and purchased by Seller from outside suppliers are warranted only to the extent of the part manufacturer's warranty. The foregoing warranty of Seller shall not limit Buyer's recourse against other manufacturer (s) of goods sold hereunder for any warranty extended by such other manufacturer (s). The warranty of any other manufacturer shall not be deemed to be the warranty of Seller.

- 11. COMPLIANCE WITH LAWS. Unless otherwise expressly agreed in writing signed by Seller and Buyer, Seller shall not be liable to Buyer for, and Buyer agrees to indemnity and defend and hold Seller harmless from any liability arising or alleged to arise out of any failure of the goods covered hereby to conform to any federal, provincial or local law, order regulation, or standard period.
- 12. **STATUTE OF LIMITATIONS.** No suit may be brought by BUYER for any breach of SELLER or any other claim arising out of this contract after two (2) years from the date of delivery of the goods covered hereby.
- 13. GOVERNING LAW, VENUE. This contract shall be deemed to have been made in the province of Québec, and it shall be governed by the law of the province of Québec, without giving effect to international private law or its conflict of law rules.
- 14. **ARBITRATION.** In the event of any disputes and/or claims relative to the sale of Biesse Products & Service, Buyer and Seller agree to submit any and all such disputes, claims and controversies to arbitration pursuant to the

Commercial Rules of the Canadian Arbitration Association. Any arbitration proceeding held pursuant to this arbitration provision shall be conducted in the city nearest to Seller's address in Terrebonne, Québec. This arbitration provision shall not limit the right of either party during any dispute, claim or controversy to seek, use and employ ancillary, provisional or preliminary rights and/or remedies, judicial or otherwise, for the purposes of realizing upon, preserving, protecting, foreclosing upon or proceeding under forcible entry and detained for possession of any personal property, and any such action shall not be deemed an election of remedies. This includes, without limitation, obtaining injunctive relief or a temporary restricting order, invoking a power of sale under any deed of trust or mortgage, obtaining a writ of attachment or imposition of a receivership or exercising rights relating to personal property, including taking or disposing of such property with or without judicial purposes. The Federal Arbitration Act shall apply to the construction, interpretation, and enforcement of this arbitration provision.

15. **RESERVATION OF RIGHTS.** No failure of Seller to insist upon or compel compliance by Buyer with any of the terms, provisions or conditions hereof shall be construed as a waiver by Seller of its right to insist upon compliance therewith in the future

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- 16. COMPLETE AGREEMENT: MODIFICATION. The provisions hereof are intended as a complete and exclusive statement of the terms of the agreement between Seller and Buyer. This agreement may not be modified, rescinded, or cancelled and no waive by Seller of any claim or right hereunder shall be effective, except by writing signed by an officer of Seller.
- 17. ACCEPTANCE OF CONDITIONS. The Buyer declares explicitly that, after having read the present Standard Terms and Conditions of Sale in full, he accepts them unconditionally by both in the general and in their detailed form.
- 18. SECURITY INTEREST. Buyer hereby gives Seller the authorization to sign and file the Form securing the Interest of Seller to the goods. To secure the payment of purchase price and any other amounts due to Seller from Buyer under the terms of this agreement, Buyer hereby grants to Seller (as Secured Party) a purchase money security interest in the Goods and the Proceeds thereof. To enforce Seller's security interest, Seller shall have all of the rights and remedies available to a secured party, including but not limited to the following rights: to enter Buyer's premises or any other place where the Goods may be and take possession of assemble, and collect the same; to require Buyer to assemble the Goods and make the same available at a place designated by Seller to allow Seller to take possession or dispose of the Goods; to retain the Goods in satisfaction of the obligations of Buyer hereunder to sell In one or more transactions and from time to time thereafter, all or part of the Goods at public or private sale, and to purchase Goods at any sale, public or private (and all sales may be at such price or prices, upon such terms, by such terms, by such methods, and manner, and at such time and place as Seller shall determine, provided that the same are commercially reasonable); and to give any notice to Buyer required by Standard Terms and Conditions of Sale and applicable statute by mailing it, postage prepaid, at least five (5) days before the event, if any, which is the subject of the notice, to Buyer's business, address as it appears hereon. Buyer acknowledges that this is a Commercial Transaction arising out of the sales of Goods for business purposes, and, upon Buyer's failure to pay the purchase price, Seller may seek an immediate writ of possession from a court of appropriate jurisdiction without prior notice or

hearing. Buyer hereby waives any and all rights which Buyer may have to notice or hearing prior to seizure of the Goods

following default in payment of the purchase price when due.

CUSTOMER DETAILS: Please, fill out the following information:									
Panel [] Kitchens	[] Wardrobes	[] Dining Rooms	[] Dining Rooms	[] Vanities					
[] Children Furn.	[] Office Furn.	[] Contract Furn.	[] School/ Hospital Fum.	[] Store Fixture					
[] Furniture Comp.									
Solid Wood [] Doors	[] Windows	[] Stairs	[] Frames	[] Chairs					
[] Drawers	[] Cabinet Doors	[] Accessories							
Operations [] Sizing	[] Edging	[] Boring	[] Routing	[] Assembling					
[] Packaging									
Number of Employees [] 1-10	[]11-25	[] 26-50	[]51-100 [] 101-2	50					
[] 251-500	[]501-1000	[]+1000							

Les parties exigent que le présent document soit rédigé en anglais seulement. The parties require that the present document be drafted in English only.

I have read and understood all terms and conditions of this Offer and I hereby accept the Offer of this document, subject to these Terms & Conditions.

The BUYER Date

Buyer Initials:





