

Messrs.
COMPAC FURNITURE
10 MAKO STREET
DARGAVILLE
New Zealand

Agreement: 453040/1

27/01/2016

With reference to your kind request, please find here attached our agreed offer for the machine of your interest.

We remain at your disposal for any information you may need.

Looking forward to hearing from you, we remain,

Yours faithfully.

RODNEY SKINNER
Area Manager
Machines 'R' Us Limited

FLEXIBLE CENTRE FOR THE PANEL BORING AND ROUTING UNIFLEX HP



MAIN FEATURES:



Eliminates machine set-up times, thanks to the displacement of the 2 independent clamps;



Excellent drilling capacity on the 6 faces of the panel, with opposed machining heads (LOWER and UPPER); up to 134 independent spindles (96 Vertical and 38 horizontal with RO.AX TECHNOLOGY);



Zero backlash with the new RO.AX technology (Rotoaxial spindle technology) that ensures perfect boring. The most efficient spindle on the market.

TECHNICAL DATA

		UNIFLEX HP
AXES		
Min. / max. panel length	mm	250 / 3000
Min. / max. panel length without panel recovering	mm	250 / 1950
Min. / max. panel width	mm	70* - 120 / 1300
Min. /max. single panel thickness	mm	10 / 80
Min. /max. overlapping panels thickness	mm	5(x2) / 35(x2)
Max. panel weight	Kg	100
Work table height	mm	950
Z stroke - upper boring head	mm	145
Z stroke - lower boring head	mm	90
Max. speed X - Y - Z axes	m/min	120 - 35 - 30
BORING HEAD		
Vertical spindles	no. rpm	48+48 6.000
Horizontal spindles	no. rpm	8+8(X)/4+2(Y) 6.000
Integrated blade in X axis	Ø mm - rpm	125 - 7.500
ELECTROSPINDLE (option)		
Motor power (S6)	kW (Hp)	4,5 (6) - 7,5 (10)
Max. speed	rpm	24.000
Tool change		manual
Max. tool diameter	mm	20
INSTALLATION		
Compressed air intake	Bar	6,5
Medium compressed air consumption	NI/min	500
Max instant compressed air consumption	NI/min	800
Dust extraction hood diameter: - upper head - lower head	mm	300 200
Suction air consumption - upper head - lower head	mc/h	5000 2250
Suction air speed	m/s	20
Vacuum	Pa	2000

* 70 mm with standard loading station in Flotex

GENERAL FEATURES

CNC drilling centre, with fixed work table, upper pressers and mobile panel to guarantee the perfect positioning of the piece, it is dedicated to:

- drilling on 5 sides of the panel
- upper and lower saw-blade cutting along "X" axis

The drilling centre is equipped with an independent double clamp able to working simultaneously on two overlapped panels.

It measures the total panel thickness adjusting automatically the clamping devices.

Base and work table

Arc-welded "O-frame" closed structure guarantees maximum rigidity of the machining heads. Work table with rollers to ensure any type of boring without the necessity of setting up.

Operating group

Upper and lower drilling heads, with new technology RO.AX (Rotoaxial spindle technology) zero axial and radial backlash, they're produced in a single aluminum alloy fusion for a high drilling accuracy (+/- 0.1 mm): up to 134 independent spindles: 96 vertical spindles and 48 horizontal spindles. Maximum rotation speed 6000 rpm, managed by inverter. It's possible to integrate upper and lower elctrospindles, hinges heads, dowels inserting devices.

Movement

The panel movement along the longitudinal machine axis (X) is realized by a couple of clamps each other independent. The patented design allows the working inside of the clamp optimising the production cycle.

The clamps managed by the numerical control, acting as rear reference stop for the panel alignment. The movement of the operating units along Y and Z axes is driven by brushless motors and recirculating ball screws, independent between upper and lower units; It is possible in this way to process simultaneously 2 panels with same dimensions but specular or with different working.

CNC CONTROL UNIT

Control Unit designed for Boring and Routing Centres and Xylog operator interface installed on PC

Pc-Office

- Windows 7 operating system
- 17" LCD colour display
- Qwerty keyboard
- Xylog Plus 2 interface machine software

General features of the Xylog Plus 2 software

Programming

- parametric, graphic and ISO programming
- import of the DXF and ASCII files (2D)
- guided editor with graphic and syntactic help screens
- automatic optimisation of boring cycles
- panel origin change to carry out processing of workpieces with special shapes or profiles

Included accessories

- use of bar codes with already integrated software
- self diagnosis and signalling of possible errors or damages in the user's language
- single step operation for manual control of individual program steps
- on-line calculator of computed data
- simulated program execution

Configuration

- operator interface in user's language (I - GB - F - D - E)
- machining head graphic configuration
- double override which allows to adjust the operating unit positioning speed

SAFETY REGULATIONS

Machine in conformity with the standard safety regulations according to the countries of machine destination.

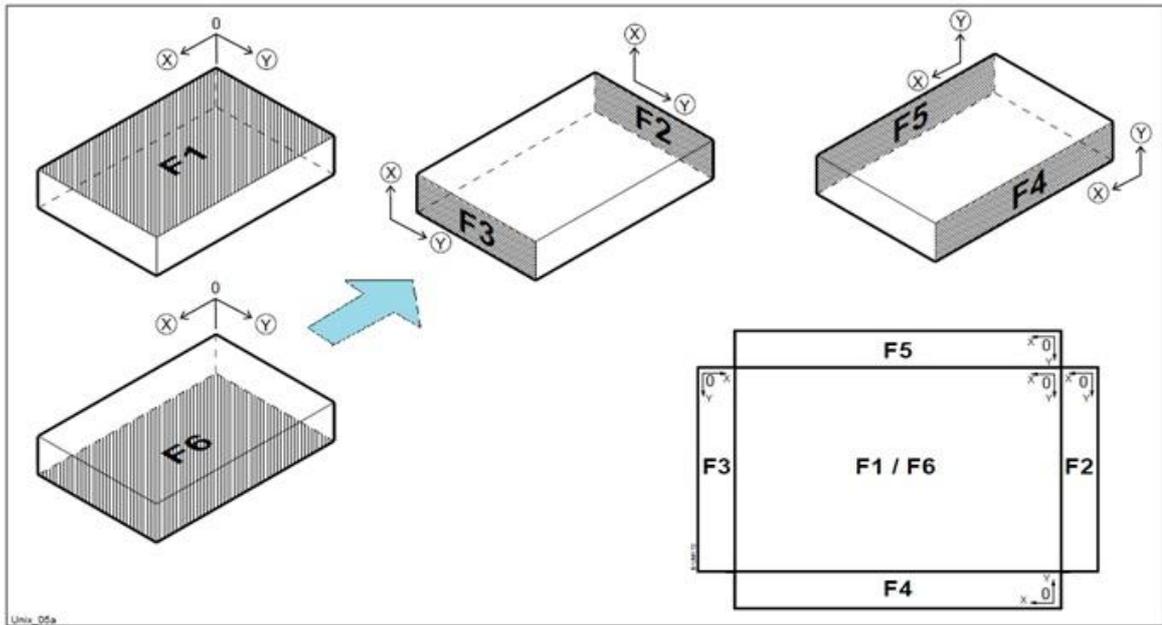
NOTE

The machine can work only rectangular panels, whose long side has to be positioned in the "X" direction of the working coordinates.

Working on pieces with particular profiles have to be evaluated during the *contract stipulation*.

It is forbidden to work panels with features that are not included in the indicated dimensions.

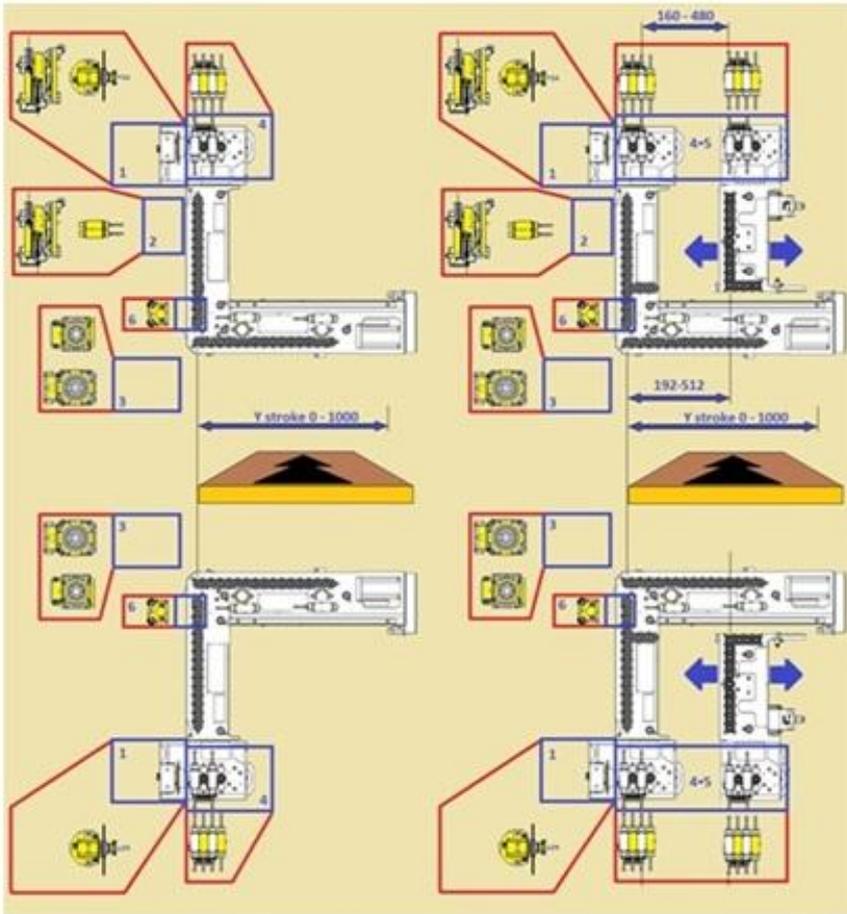
PANELS ORIENTATION



OPERATING GROUP

Uniflex s Top F37L

Uniflex hp Top F58L



Uniflex s bottom F37L

Uniflex hp bottom F58L

10.99.20 C.E. BASE EXECUTION

N. 1

52.39.13 Uniflex HP

N. 1

163.200,00

93.07.06 400 volt

N. 1

60.81.91 HZ 50

N. 1

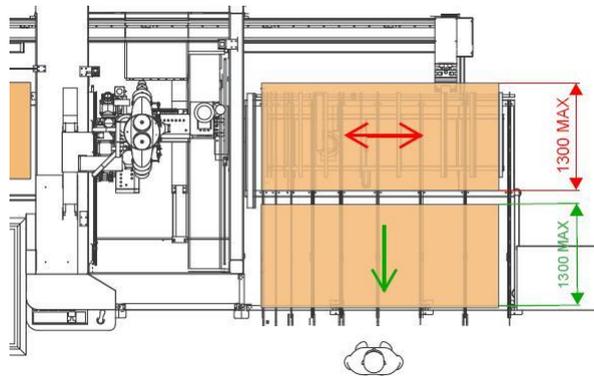
FT.UN.FX	UPPER DRILLING HEAD	N. 1	
OF.00.56	<p>F58L upper drilling head (48+8X+2Y+Blade in X)</p> <p>It includes:</p> <ul style="list-style-type: none"> - no. 48 total vertical independent spindles, 14 of which on mobile unit with variable centre-to-centre distance between axes, 192mm minimum; 512mm maximum with 60mm selection - attachment for bits: 10 mm diameter - 32 mm centre-to-centre distance between spindles - bits rotation speed with inverter: 6000 rpm max. - 10 horizontal drilling spindles with 75mm selection: <ul style="list-style-type: none"> * no. 2 horizontal double drilling heads (1+1) in X direction 64mm centre-to-centre distance between axes (position 4); * no. 2 horizontal double drilling heads (1+1) in X direction 64mm centre-to-centre distance between axes, on mobile unit with variable centre-to-centre distance between axes (position 5); * no. 2 horizontal single drilling heads (1) in Y direction at operator's side; 72mm maximum tools length; Z 35mm max from workpiece surface. - no. 1 integrated blade in X direction, <u>position 1</u>: 125mm maximum diameter; 6mm max. saw-blade cutting thickness; max. 7500rpm blade rotation speed with inverter 	N. 1	
1T.UN.FX	Optional position 1T	N. 1	
52.39.12	<p>0/90° saw blade unit (160 mm maximum diameter)</p> <p>Positioned on the lower and upper head in position 1, this unit is equipped with independent motor power and it substitutes both integrated lower and upper blades in "X".</p> <p>Automatic positioning to carry out cuttings in X or Y direction and possibility to place no.1 drilling bit for drilling operations in Y direction, clamp side:</p> <ul style="list-style-type: none"> - 160mm maximum blade diameter - 6 mm maximum blade thickness 	N. 1	11.710,00
2T.UN.FX	Optional position 2T	N. 1	
3T.UN.FX	Optional position 3T	N. 1	
52.39.09	<p>No.2 upper/lower electrospindles 7,5 kW HSK63F</p> <p>Positioning: 1 on the upper head and 1 on the lower head in position 3.</p> <p>Features:</p> <ul style="list-style-type: none"> - HSK F 63 quick release tool-holder 1500 - 24000 rpm spindle speed - (S1/S6) 6,6/7,5 kW (9/10 Hp) constant motor power from 12000 to 18000 rpm - right and left rotation - static inverter for continuous speed and rapid shutdown of rotation 	N. 1	21.369,00

- exhaust hood around whole perimeter
- cooling by airflow
- 150 mm max. tool length (including toolholder)
- 20 mm max. tool diameter
- no. 2 HDK63F tool holders, ER32 connection complete with nut
- no. 2 expansible collets, 15-16mm diameter, ER32 connection

4T.UN.FX	Options position 4T	N. 1	
52.39.10	No.8+8 additional spindles for horizontal drilling in X, upper and lower head It includes: <ul style="list-style-type: none"> - no. 2 horizontal double drilling heads (1+1) in position 4, upper head - no. 2 horizontal double drilling heads (1+1) in position 5, upper head - no. 2 horizontal double drilling heads (1+1) in position 4, lower head - no. 2 horizontal double drilling heads (1+1) in position 5, lower head - no. 8+8 total horizontal spindles in X direction on upper head (no. 4+4 heads), 32 centre-to-centre distance, with 75mm selection - no. 8+8 total horizontal spindles in X direction on lower head (no. 4+4 heads), 32 centre-to-centre distance, with 75mm selection - max. 6000 rpm bits rotation speed with inverter - attachment for bits: 10 mm diameter - 72 mm max. tools length - Z 35 mm maximum from work piece surface 	N. 1	2.632,00
5T.UN.FX	Optional position 5T	N. 1	
6T.UN.FX	Optional position 6T (instead of n°3 vert. spindles)	N. 1	
FB.UN.FX	LOWER DRILLING HEAD	N. 1	
OF.00.57	F58L lower drilling heads (48+8X+2Y+ blade in X) It includes: <ul style="list-style-type: none"> - no. 48 total vertical independent spindles, 14 of which on mobile unit with variable centre-to-centre distance between axes, 192mm minimum; 512mm maximum, with 60mm selection - attachment for bits: 10 mm diameter - 32 mm centre-to-centre distance between spindles - bits rotation speed with inverter: 6000 rpm max. - 10 horizontal drilling spindles with 75mm selection: <ul style="list-style-type: none"> * no. 2 horizontal double drilling heads (1+1) in X direction 	N. 1	

- 64mm centre-to-centre distance between axes (position 4);
- * no. 2 horizontal double drilling heads (1+1) in X direction
64mm centre-to-centre distance between axes, on mobile unit with variable centre-to-centre distance between axes (position 5);
- * no. 2 horizontal single drilling heads (1) in Y direction at operator's side;
- 72mm maximum tools length; Z 35mm max from workpiece surface.
- no. 1 integrated blade in X direction, position 1: 125mm maximum diameter; 6mm max. saw-blade cutting thickness; max. 7500rpm blade rotation speed with inverter

1B.UN.FX	Optional position 1B	N. 1	
P2.39.12	Upgrade - 0/90° saw blade Unit (Dmax=160 mm)	N. 1	
3B.UN.FX	Optional position 3B	N. 1	
4B.UN.FX	Optional position 4B	N. 1	
5B.UN.FX	Optional position 5B	N. 1	
6B.UN.FX	Opzionali per posizione 6B (instead of 3 vertical spindles)	N. 1	
P2.38.34	Drilling unit for hinges 48/6 (lower)	N. 1	
OC.AR.UN	LOADING STATION OPTIONAL	N. 1	
52.08.71	Table with cross belts manual pre-loading station 600+600	N. 1	35.700,00
	<p>This station allows the pre-loading of 2 overlapped panels with a width up to 600 mm, while the machine is working. As the panel in working phase crosses the loading area, some side pushers pick the panels up from the pre-loading area. During the automatic positioning the panels are measured; these dimensions are transferred to the control which adjusts the programmed working scheme to the real workpiece dimensions. This allows to load of the working program in masked time. The station is equipped with front safety system.</p>		
	Manual unloading station with cross belts 1300+1300	N. 1	
	<p>It allows the machining of a new panel even if a panel with a width up to 1300 mm is positioned in the station</p>		



52.08.77	Panel length measuring device This device measures the length of the infeed panel allowing to manage any dimensional error.	N. 1	898,00
52.08.78	Manual bar code reader Bar code cordless reader device by which it is enough to make the scanning of the label associated to the panel to automatically load a program on the PC with consequent elimination of the idle times	N. 1	1.877,00
52.93.94	Additional hardware key for XILOG Plus, USB version Device to apply to an additional PC in order to program the machine utilizing the same software from another station, for example from the office station.	N. 1	423,00
63.01.27	Electric cabinet with air conditioning device Maintains temperature of approx. 18 C inside electric cabinet.	N. 1	1.300,00
52.36.90	Partialized dust extraction The dust extraction air flow is directed to the specific operating unit which is working at each time through dedicated valves.	N. 1	296,00
08.00.89	Packing with wooden skid (Uniflex)	N. 1	3.152,00
10.99.91	Machine language: ENGLISH	N. 1	
	Total price	EUR	242.557,00
	Special offer	EUR	-37.353,00
		New price	EUR 205.203,00
ADDITIONAL COSTS OF MACHINE			
	Shipping Container	NZD	\$10,000.00
	Installation and training	NZD	\$10,000.00

SALES CONDITIONS:

Delivery terms: approx. 120 days from receipt of official order by advance payment (or L/C)

**Payment: 20% advance payment with order
80% on advice goods ready for delivery
or
100% irrevocable Letter of Credit confirmed by main Italian bank and payable at sight at Italian bank counters**

**SCM Bank details:
UNICREDIT SPA
Swift UNCRITMM
Beneficiary SCM GROUP SPA
Iban IT21D0200802515000005284143**

Prices dated: 25-JAN-16

Offer validity: 60 days

Installation: excluded

Goods delivered: ex works

Transport: excluded

Prices excluded GST.

SALE CONFIRMATION

Signed by Date.....

Purchaser

Signed by..... Date.....

Machines R Us Ltd