

correa

VERXA M | MW

Gantry type milling machine

WARRANTY



The **VERXA M** represents the concept of a high performance Gantry machine. Its structural design and thermal symmetry permit the machining of large parts while maintaining high dynamics and chip removal.

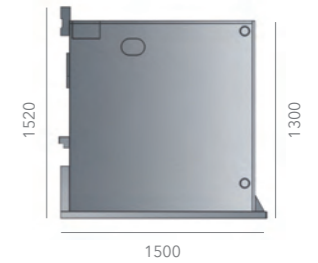
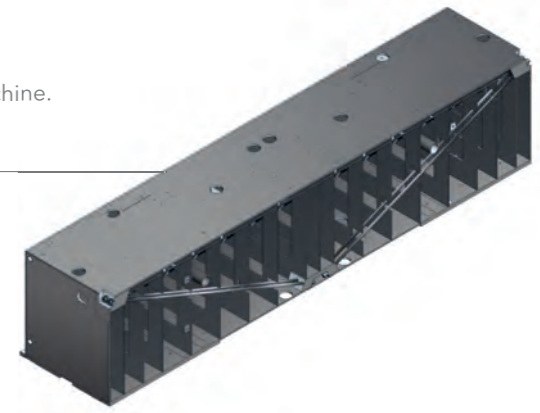
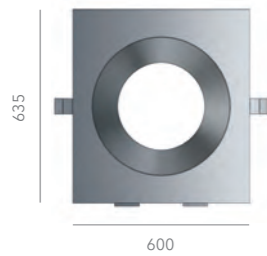
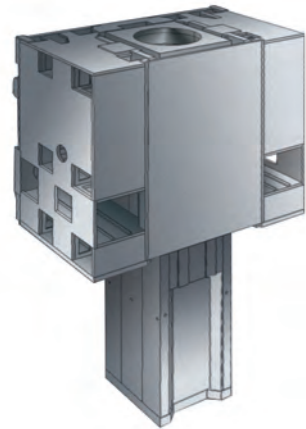
In all families  
**VERXA, FOX,  
ORIX and  
XPIDER**

- Steel torsion bars in the crossbeam.
- Minimising the deformation due to crossbeam flexion and torsion.
- Enhancing the geometry of the machine.
- Increasing the roughing capacity.



THERMO  
SYMMETRICAL  
DESIGN

- Symmetrically guided ram.
- Ram symmetrically centred over chassis.
- Improved geometric performance faced with temperature variations in the workshop.

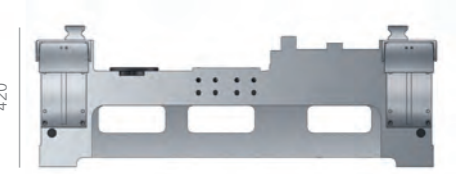


OVERSIZED  
STRUCTURAL  
ELEMENTS



HIGH  
GEOMETRICAL  
PRECISION

Great cross sections.  
Great roughing capacity.  
Geometric stability in time.



MORE ABOUT THE  
**VERXA M**



Dynamic performance parametrizable in accordance with:

- ROUGHING OPERATION
- FINISHING OPERATION



MACHINE  
DYNAMIC  
ADJUSTMENT



MACHINING  
SETTINGS



ROUGHING

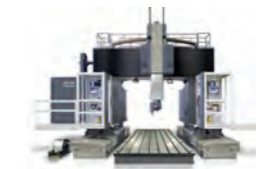


FINISHING

30 m/min in X, Y and Z axes,  
thanks to its V-Shaped linear  
guide-ways in all axes



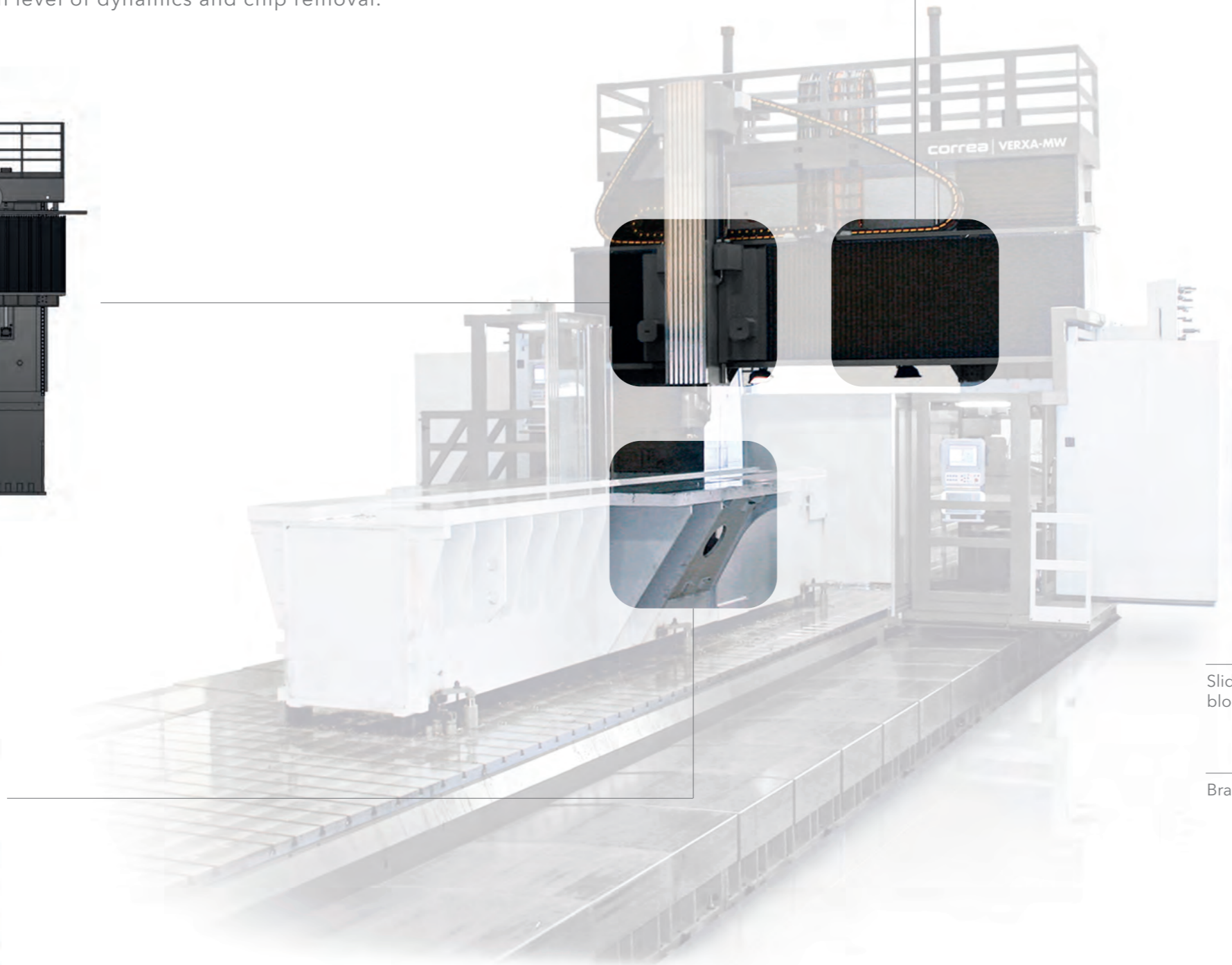
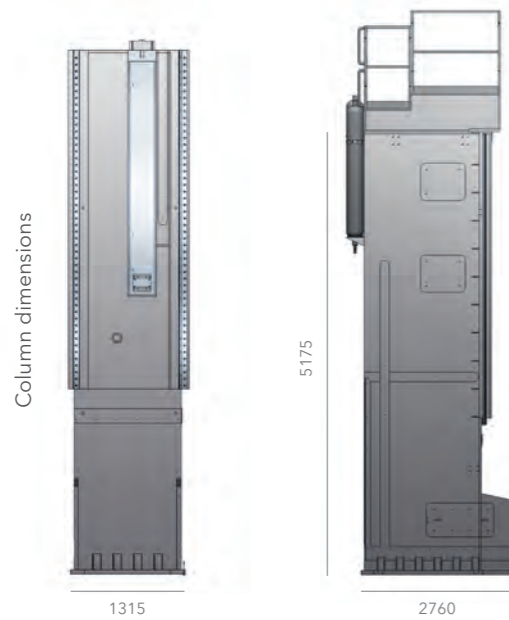
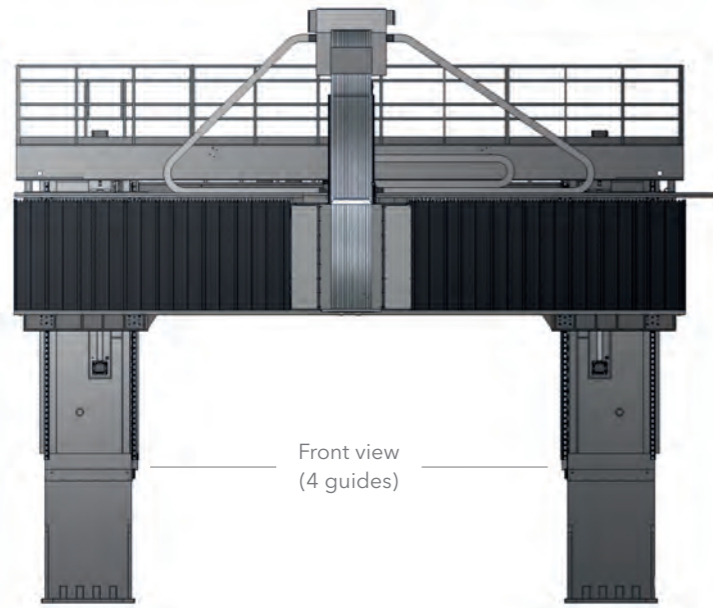
HIGH FEED  
RATES



ECO DESIGN

Stand-by function and Auto  
Switch off function, saving  
20% of the total energy  
machine consumption

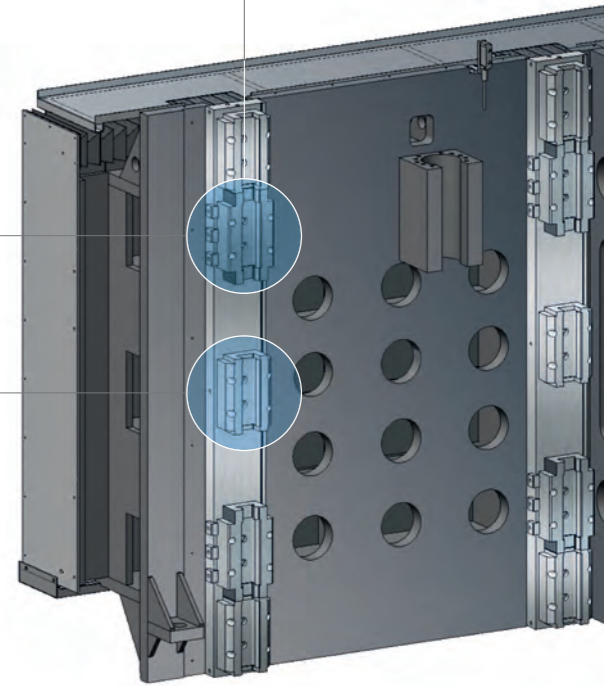
The **VERXA MW** represents the concept of a high-performance Gantry **W** machine. Its structural design and thermal symmetry combined with a W axis, unique in the market, make this machine the ideal solution for machining high volumes, keeping a high level of dynamics and chip removal.



Close-up of **W** guide (6 guides)



Slide block  
Brake



MORE ABOUT THE  
**VERXA MW**



**W is a live axis!!**  
Great roughing capacity and geometric precision

30 m/min in X, Y and Z axes,  
thanks to its V-Shaped linear  
guide-ways in all axes



Stand-by function and Auto  
Switch off function, saving  
20% of the total energy  
machine consumption

## Technical Features

### VERXA M

#### TABLE

Surface 10000 - 30000 x 2500 - 3000 - 3500 mm

Maximum load on the table 10000 / 15000 kg/m<sup>2</sup>

#### TRAVERSES

Longitudinal [X] 9500 / 30500 mm

Cross [Y] 3500 | 4000 | 4500 | 5000 | 6000 | 7000 mm

Vertical [Z] 1500 / 2000 / 2500 mm

#### WORK CAPACITY

Distance between columns 3300 | 3800 | 4300 | 5300 | 6300 mm

Distance between head nose (UAD) and table top 1390 / 1640 / 2140 mm

#### FEEDS

Maximum [X] 30 m/min

Maximum [Y] 30 m/min

Maximum [Z] 30 m/min

#### SPINDLE SPECIFICATIONS

Spindle nose ISO-50 Big Plus / HSK-100

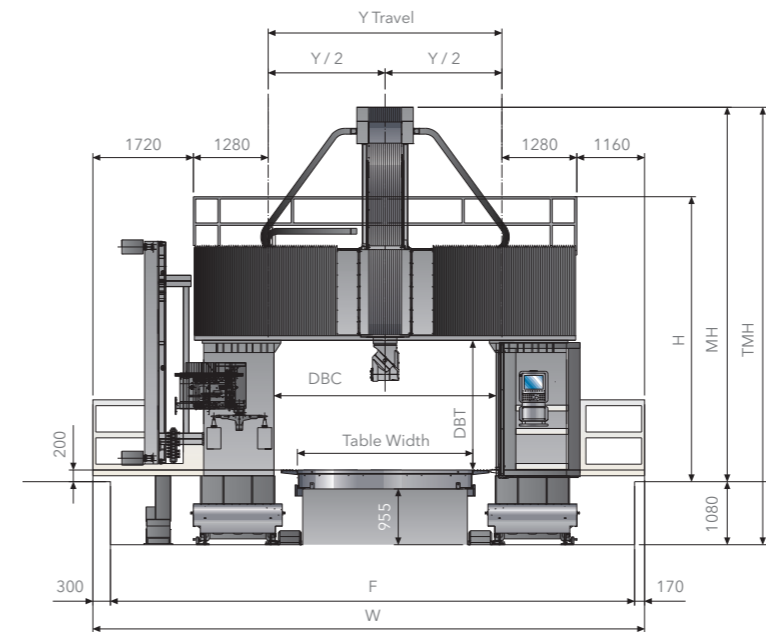
Programmable speed 10000 / 6000 / 6000 rpm

Maximum power 30 / 37 / 52 kW

Maximum torque 620 / 1300 / 1375 Nm

## External Dimensions

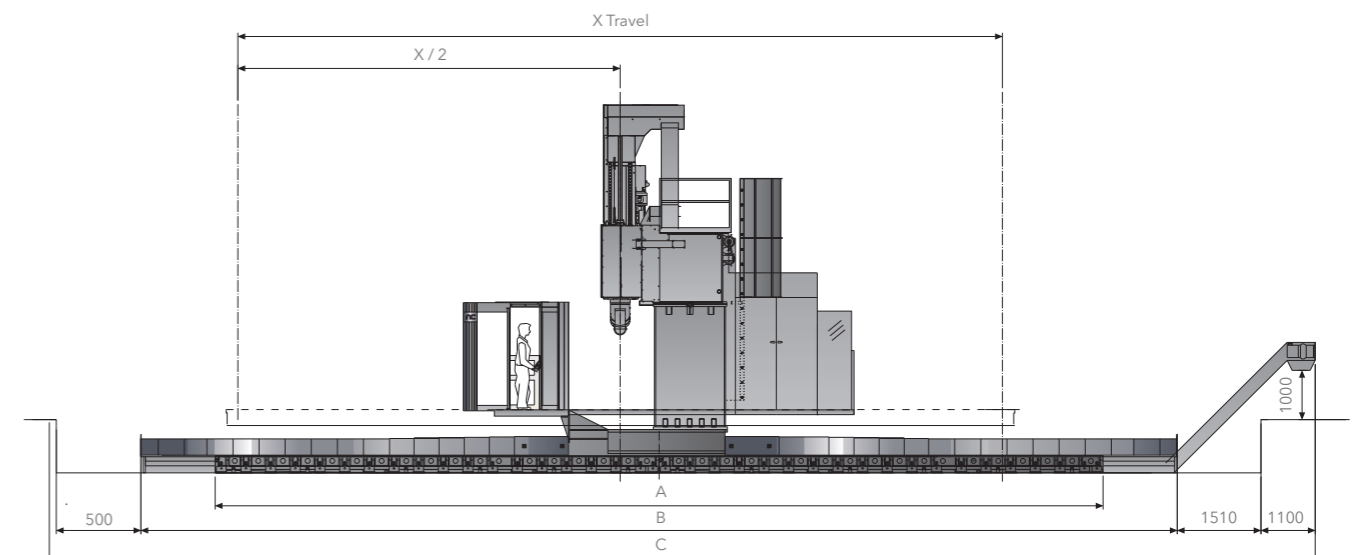
### VERXA M



Y Travel	DBC	F	W	Max. Table Width
3500				
4000	3300	8320	8920	2500
4500	3800	8820	9420	3000
5000	4300	9320	9920	3500
6000	5300	10320	10920	4500
7000	6300	11320	11920	5500

Z Travel	Vert. capacity	DBT	H	MH	TMH
1000	A	2205	4900	6150	7300
1250	A	2205	4900	6400	7550
1500	A	2205	4900	6650	7800
	B	2705	5400	7150	8300
2000	B	2705	5400	7650	8800

X Travel	A	B	C
9500	12000	15420	19970
12500	15000	18720	23270
15500	18000	22550	27100
18500	21000	26860	31410
21500	24000	30600	35150
24500	27000	33900	38450
27500	30000	37620	42170
30500	33000	41360	45910



## Technical Features

VERXA MW

### TABLE

Surface	10000 - 30000 x 2500 - 3000 - 3500	mm
Maximum load on the table	10000 / 15000	kg/m <sup>2</sup>

### TRAVERSES

Longitudinal [X]	8500 / 29500	mm
Cross [Y]	Cross: 4800 / 5800 / 6800 / 7800 DBC= 3600 / 4600 / 5600 / 6600	mm
Vertical [Z-W]	Z: 1500 / 2000 / 2500 W: 2500 / 3500	mm

### WORK CAPACITY

Distance between columns	3600	4600	5600	mm
Distance between head nose (UAD) and table top	3675 / 4675			mm

### FEEDS

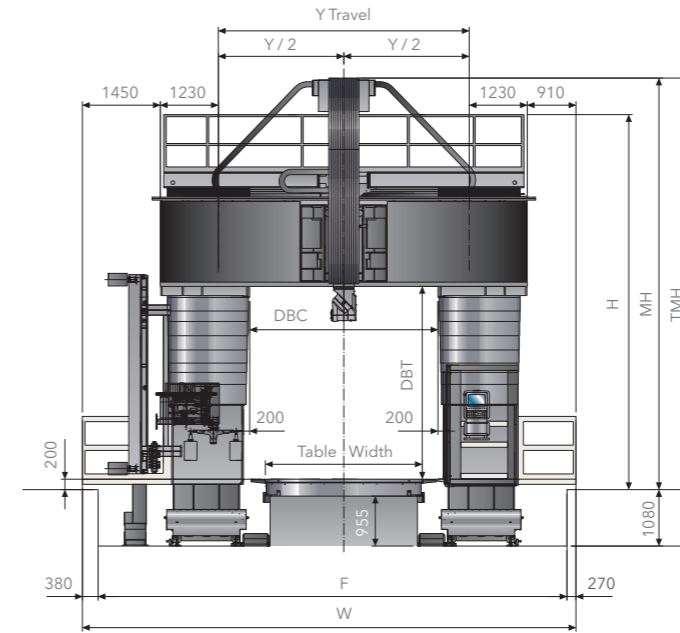
Maximum [X]	30	m/min
Maximum [Y]	30	m/min
Maximum [Z]	30	m/min

### SPINDLE SPECIFICATIONS

Spindle nose	ISO-50 Big Plus / HSK-100	
Programmable speed	10000 / 6000 / 6000	rpm
Maximum power	30 / 37 / 52	kW
Maximum torque	620 / 1300 / 1375	Nm

## External Dimensions

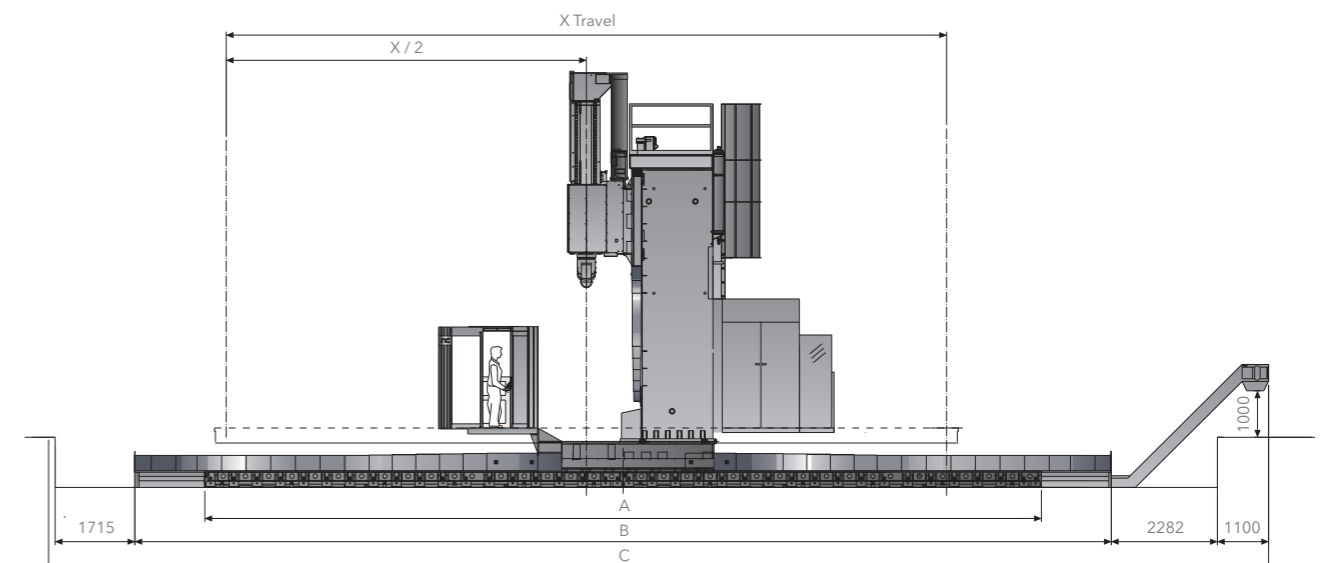
VERXA MW



Y Travel	DBC	F	W	Max. Table Width
4800	3600	9150	9620	3000
5800	4600	10150	10620	4000
6800	5600	11150	11620	5000

X Travel	A	B	C
8500	12000	15420	19970
11500	15000	18720	23270
14500	18000	22550	27100
17500	21000	26860	31410
20500	24000	30600	35150
23500	27000	33900	38450
26500	30000	37620	42170
29500	33000	41360	45910

W Travel	Z Travel	AVT	Vert. capacity	DBT_M	DBT_m	H	MH	TMH
2500	1500	3000	A	3675	1175	7400	8300	9450
	2000					7900	8800	9950
3500	1500	4000	B	4675	1175	9300	9400	10550
	2000					9300	9900	11050



# VERXA M

Gantry type milling machine



## Milling Head



### **UAD** 0.02° x 0.02°

Universal Auto-Indexing  
Differential Head  
52 kW | 1375 Nm | 6000 rpm



### **OAD** 0.02° x 0.02°

Orthogonal Auto-Indexing  
Differential Head  
52 kW | 1375 Nm | 6000 rpm



### **FC-30 | 60 | 80**

Front Spindle  
15 • 52 kW | 1375 Nm | 3000 • 4000 rpm



### **FCT**

High Torque Front Spindle  
52 kW | 2005 Nm | 4000 rpm



### **CSE**

2-Axis continuous Milling Head  
37 kW | 371 • 707 Nm | 4000 rpm



### **UDX** 0.02° x 0.02°

Universal Auto-Indexing Head  
30 kW | 620 Nm | 10000 rpm



### **FD-30 | 60 | 80**

Non-centered front spindle  
15 • 52 kW | 1375 Nm | 3000 • 4000 rpm



### **AL-600** 2.5°

Reach-out Angle Milling Head  
25 kW | 800 Nm | 1500 rpm



### **ESE** Continuous

2-Axis continuous Milling Head  
35 • 60 kW | 12000 • 24000 rpm



### **UCE** Universal

Universal continuous Milling Head  
24000 rpm



### **UT-500 | 630**

D'Andrea Head  
52 kW | 8000 Nm | 315 • 250 rpm



### **TU** 2.5°

Turning and shaping Head

## Milling Head Changer



## Standard Equipment

- Automatic Universal Head • Vixion 4.0
- Numerical control Heidenhain or Siemens [operate HMI] • Hydraulic and cooling group
- Portable handwheel • Linear scales in all axes
- Air-conditioned electrical cabinet • External Coolant with adjustable nozzles
- Linear guides in the X, Y and Z axes • Internal and external air flow
- Lamp in the working area • Guarding
- Tele-service

## Optional Equipment

- Other heads • Self cleaning filter
- Automatic head-changer • Air/Coolant cleaning gun
- Pick up station for 6, 8, 12 tools • Chip conveyors
- Automatic charger for 30, 40, 60, 120 tools • Perimeter fence
- Probes of measurement, tools and parts • Different enclosures according to user's needs [sólo en algunos modelos]
- Rotary tables • Coolant through spindle 17, 36, 70 bar
- Zero Point Clamping System integrated in the machine



# correa

[www.nicolascorrea.com](http://www.nicolascorrea.com)

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