

correa

# VERXA

Bridge type milling machine

WARRANTY

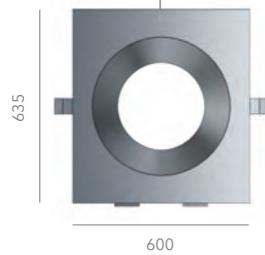
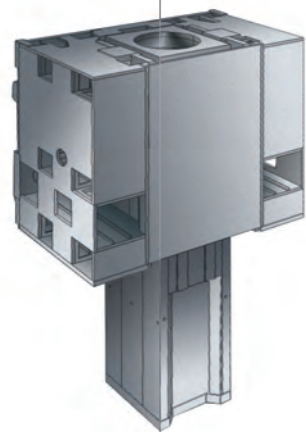


The **VERXA** represents the concept of a high-performance bridge-type machine with mobile table. Its structural design and thermal symmetry permit machining of large parts while maintaining high dynamics and geometric precision.



THERMO SYMMETRICAL DESIGN

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



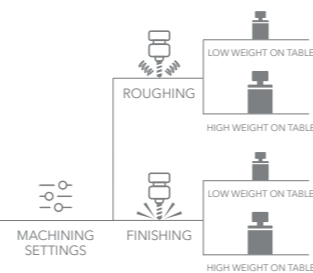
MORE ABOUT THE VERXA



- Specific electrospindle designed to obtain superb finishes at high rpms.
- Machine designed to obtain superb quality surface finishes.
- Dynamic performance parametrizable in accordance with:
  - ROUGHING OPERATION
  - FINISHING OPERATION

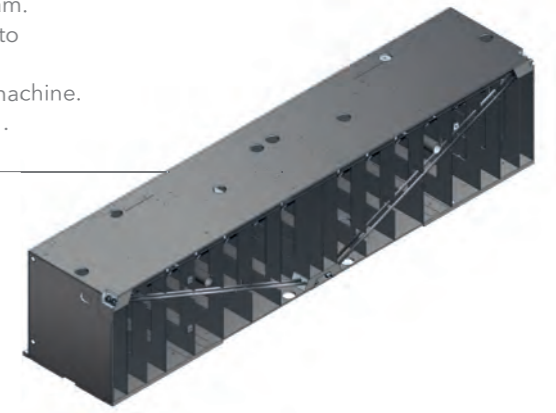


MACHINE DYNAMIC ADJUSTMENT



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.

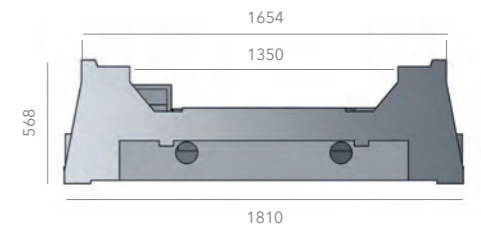
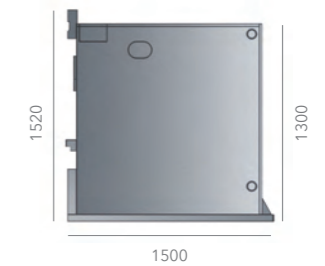


OVERSIZED STRUCTURAL ELEMENTS



HIGH GEOMETRICAL PRECISION

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



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

## Technical Features

### TABLE

Surface	5700 - 14700 x 2500 - 3000	mm
Maximum load on the table	30000 - 50000	kg

### TRAVERSES

Longitudinal [X]	6000 / 15000	mm
Cross [Y]	4000 / 4500 / 5000	mm
Vertical [Z]	1500 / 2000 / 2500	mm

### WORK CAPACITY

Distance between columns	3100	3600	4100	mm
Distance between head nose (UAD) and table top	1640 / 2140 / 2640			mm

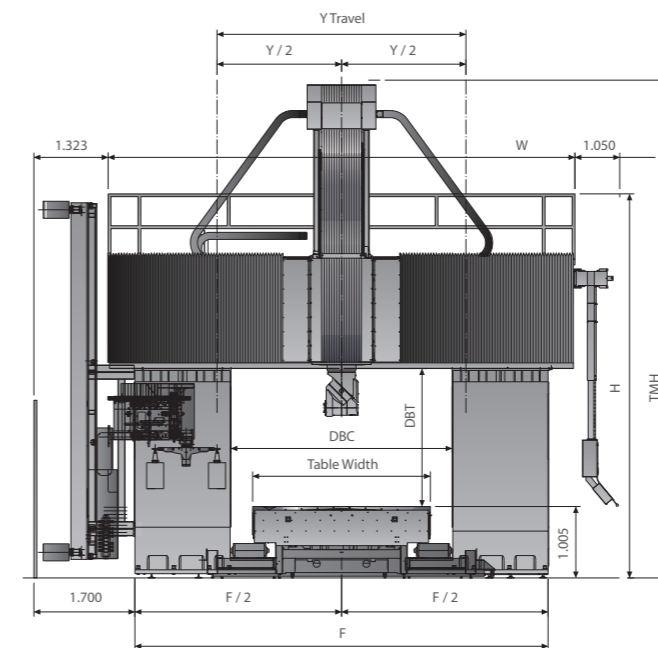
### FEEDS

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	rpm
Maximum power	30 / 52	kW
Maximum torque	620 / 1375	Nm

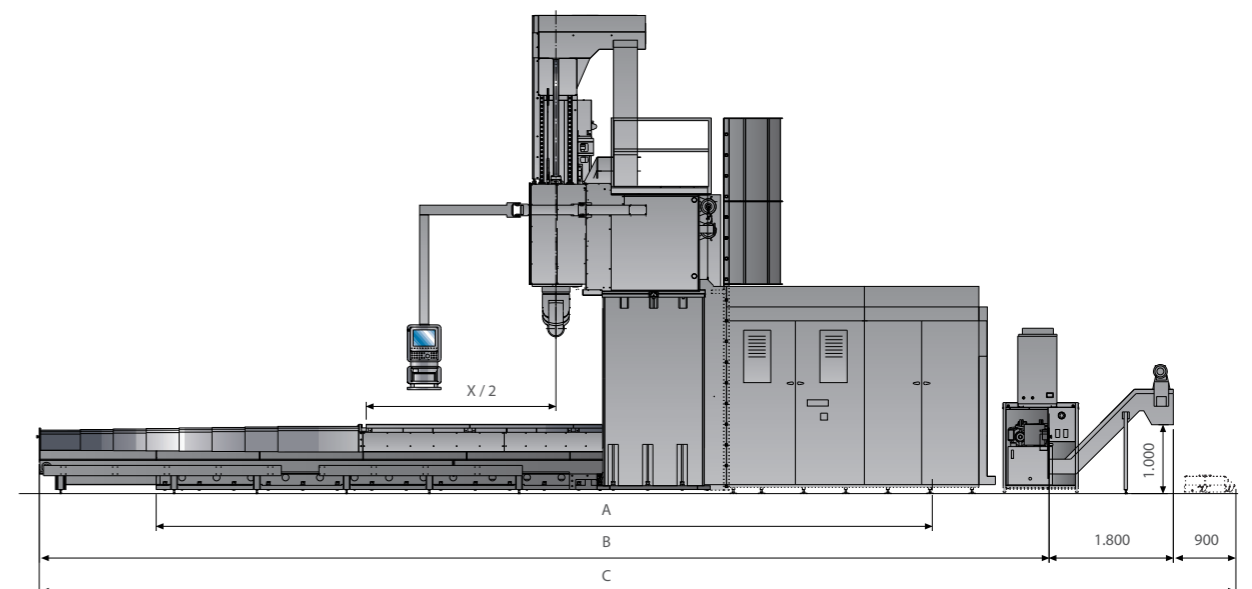
## External Dimensions



Z Travel	Vert. Capacity	DBT	H	TMH
1500	C	2190	5650	7500
	D	2440	5900	7750
	E	2690	6150	8000
2000	E	2690	6150	8500
	F	2940	6400	8750
2500	G	3690	7150	9500

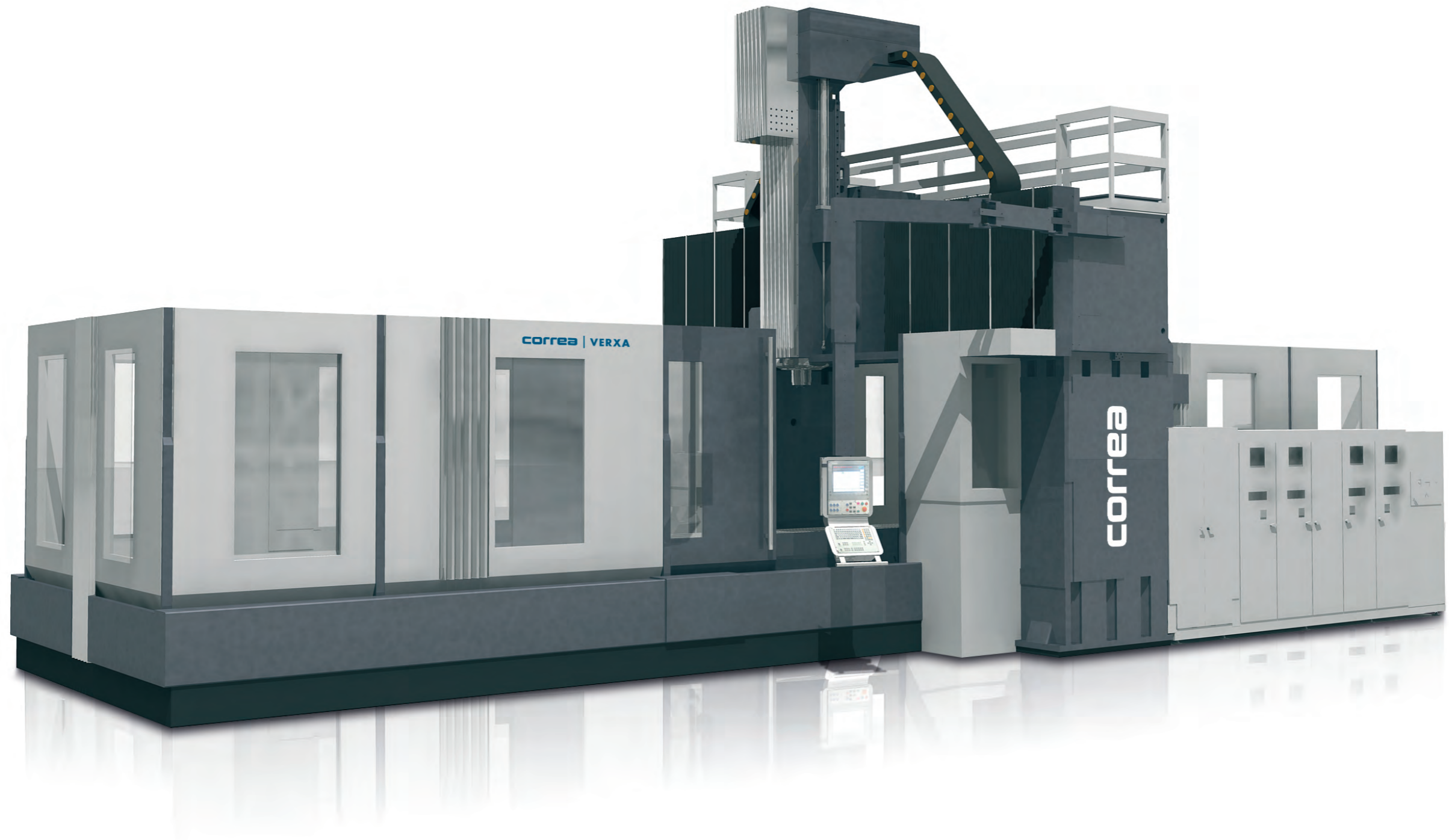
Y Travel	DBC	F	W
4000	3100	5820	6590
4000	3600		
4500			7590
4500	4100	6820	
5000			

Model	X Travel	Xcac Travel	A	B	C
VERXA 55	6000	5500	11250	14750	17440
VERXA 70	7500	7000	14250	17950	20640
VERXA 85	9000	8500	17250	21150	23840
VERXA 100	10500	10000	20250	24350	27040
VERXA 115	12000	11500	23250	28050	30740
VERXA 130	13500	13000	26250	31750	34440
VERXA 145	15000	14500	29250	33350	36040



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## 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



### UT-500 | 630

D'Andrea Head  
52 kW | 8000 Nm | 315, 250 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



### 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 [only in some models]
- 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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