

correa

FOX

Bridge type milling machine

WARRANTY

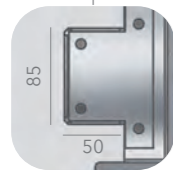


The **FOX** combines traditional roughing capacity with the speed and precision of high performance machining controlling in real time the temperature generated in the Z axis.



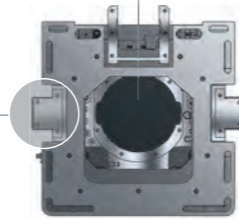
HIGH DAMPING CAPACITY

- Vertical axis with water-cooled friction.
- Excellent damping capacity.
- Optimum performance with the ram in the lowest position.

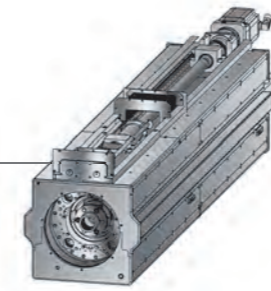


THERMO SYMMETRICAL DESIGN

- Totally symmetric design of vertical axis.
- Improved geometry of the machine.
- Geometry is more stable faced with temperature changes.



Ram Cross Section: 540 mm x 550 mm



Crossbeam Cross Section: 1030 mm x 1305 mm

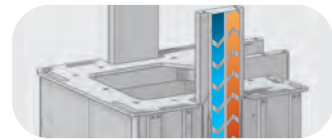


OVERSIZED STRUCTURAL ELEMENTS



HIGH GEOMETRICAL PRECISION

The biggest cross sections in the market  
Roughing capacity  
Machine geometry stability

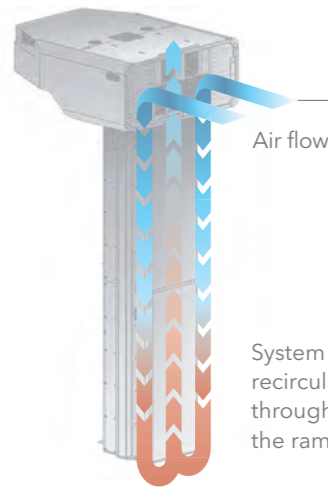


Cooled friction guide in the ram



VERTICAL AXIS TEMPERATURE CONTROL

- High feed.
- High precision at tool tip.
- High roughing capacity.
- Geometric stability of ram.



Air flow

System of air recirculation through the ram



Column Cross Section: 1100 mm x 1100 mm



Cement filled columns for optimum damping



1390 mm

415 mm

MORE ABOUT THE FOX



Dynamic performance parametrizable in accordance with:

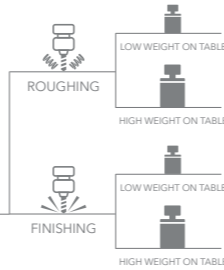
- ROUGHING OPERATION
- FINISHING OPERATION



MACHINE DYNAMIC ADJUSTMENT



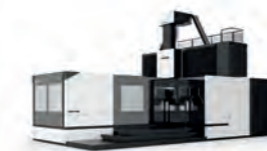
MACHINING SETTINGS



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

FOX 30 FOX 40 FOX 50 FOX 60 FOX 70 FOX 80

### TABLE

Surface	3500 x 2000 / 2500	4500 x 2000 / 2500	5500 x 2000 / 2500	6500 x 2000 / 2500	7500 x 2000 / 2500	8500 x 2000 / 2500	mm
Maximum load on the table	15 / 25						Tm

### TRAVERSES

Longitudinal [X]	3000	4000	5000	6000	7000	8000	mm
Cross [Y]	Cross: 3000 - 3750 - 4250 / DBC: 2500 - 3250 - 3750						mm
Vertical [Z]	1000 / 1500 / 1750						mm

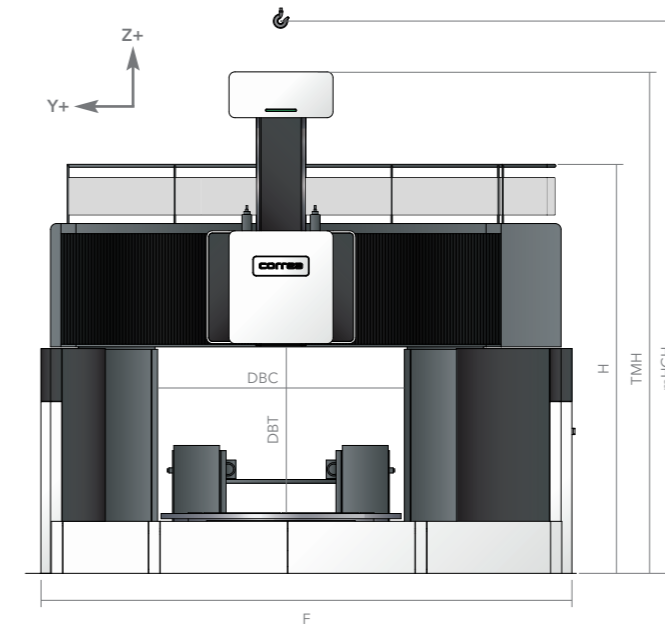
### FEEDS

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	6000 / 6000 / 10000	rpm
Maximum power	30 / 37 / 52	kW
Maximum torque	620 / 1298 / 1375	Nm

## External Dimensions

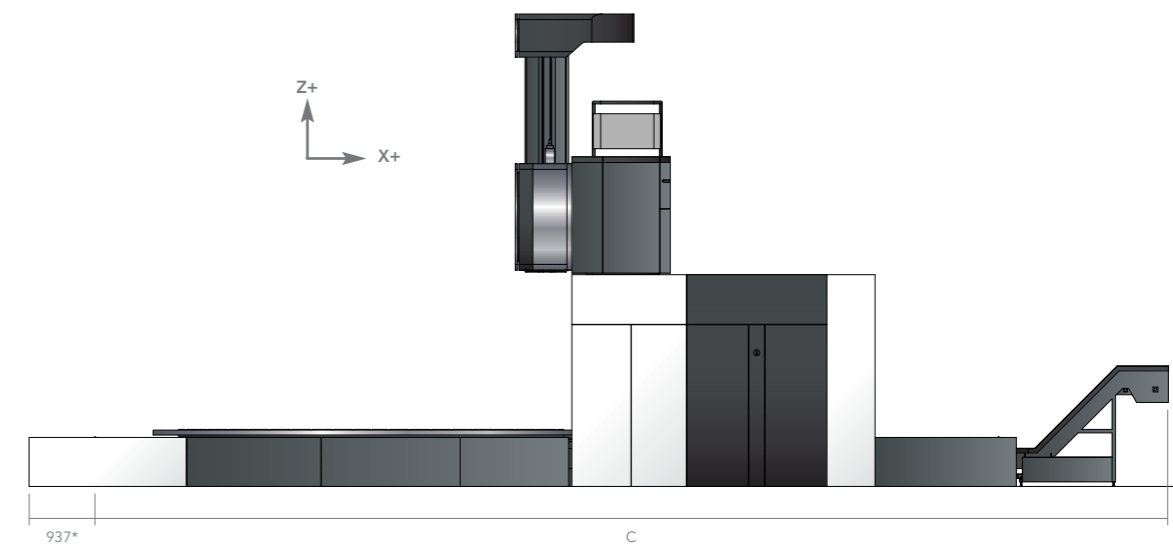


X Axe	
	C
FOX 30	11250
FOX 40	13250
FOX 50	15250
FOX 60	17250
FOX 70	19750
FOX 80	22250

\* Only for full & perimeter guarding options

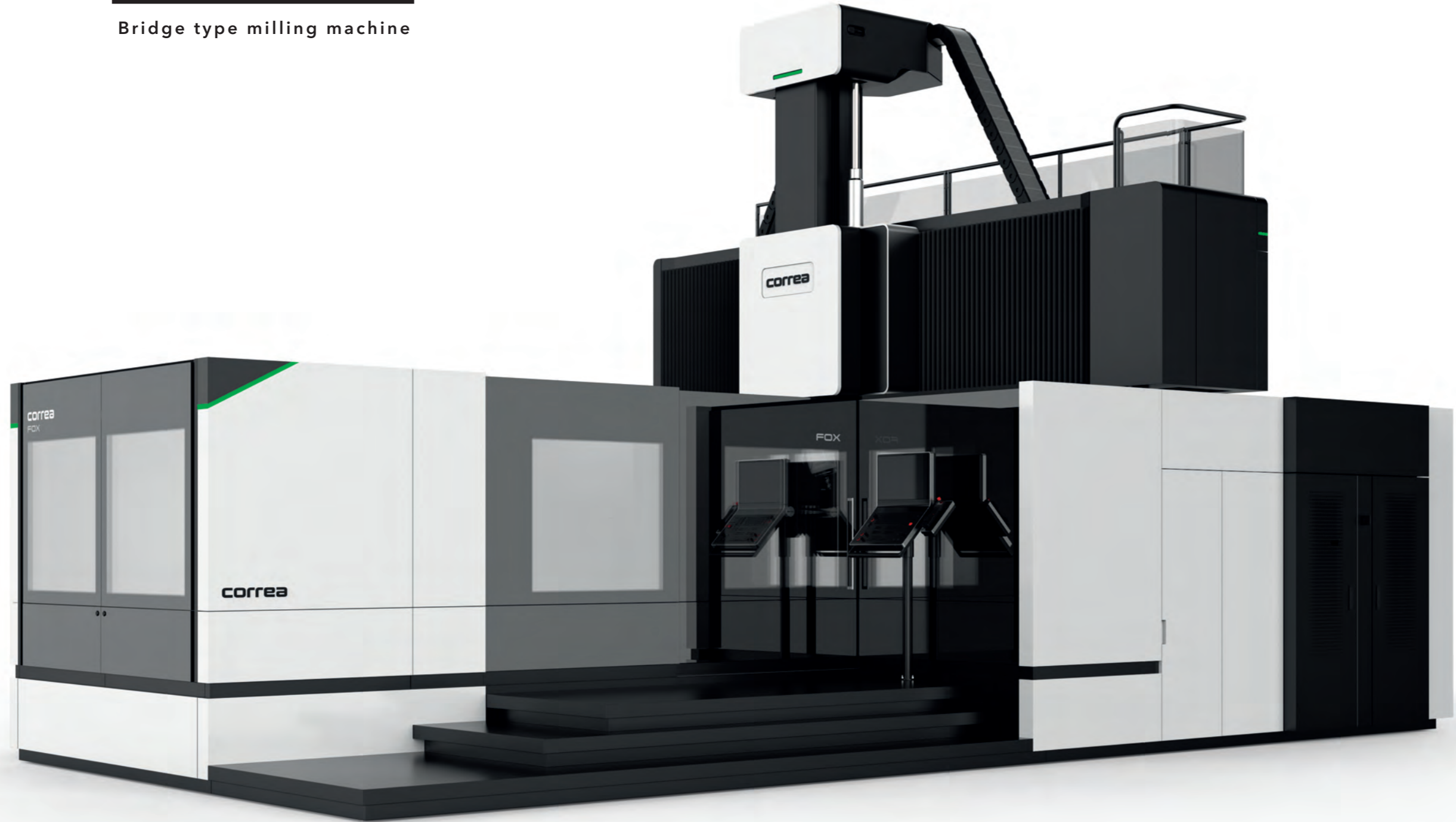
Y Axe	DBT	F
3000	2500	6400
3750	3250	7150
4250	3750	7650

Z Axe	Vertical capacity	DBC	H	TMH	mHCH
1000	A	1700	5050	5800	7060
	B	1950	5300	6050	7310
1500	C	2200	5550	6800	7560
	D	2450	5800	7050	7810
1750	D	2450	5800	7300	8060
	E	2700	6050	7550	8310



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## Milling Head



### UAD 0.02° x 0.02°

Universal Auto-Indexing  
Differential Head  
37 kW | 1298 Nm | 6000 rpm  
52 kW | 1375 Nm | 6000 rpm



### OAD 0.02° x 0.02°

Orthogonal Auto-Indexing  
Differential Head  
37 kW | 1298 Nm | 6000 rpm  
52 kW | 1375 Nm | 6000 rpm



### FC-30 | 60 | 80

Front Spindle  
15 • 37 kW | 1298 Nm | 3000 • 4000 rpm  
15 • 52 kW | 1375 Nm | 3000 • 4000 rpm



### FCT

High Torque Front Spindle  
37 kW | 1893 Nm | 4000 rpm  
52 kW | 2005 Nm | 4000 rpm



### FD-30 | 60 | 80

Non-centered front spindle  
15 • 37 kW | 1298 Nm | 3000 • 4000 rpm  
15 • 52 kW | 1375 Nm | 3000 • 4000 rpm



### AL-600 2.5°

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



### UCE Universal

2-Axis Continuous Milling Head  
24000 rpm



### UT-500 | 630

D'Andrea Head  
37 kW | 7788 Nm | 315 • 250 rpm  
52 kW | 8000 Nm | 315 • 250 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



### 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 • Exterior coolant with adjustable lance nozzles
- Linear guides in the X, Y axes • Internal and external air flow
- Friction guide at Z axis • Guarding
- Lamp in the working area • Tele-service

## Optional Equipment

- Other heads • Self cleaning filter
- Automatic head-changer • Air/Coolant cleaning gun
- Pick up station for 6, 8 and 12 tools • Chip conveyors
- Automatic charger for 30, 40, 60 and 120 tools • Perimeter fence
- Probes of measurement, tools and parts • Integral guarding [only in some models]
- Turning table • Coolant through the spindle
- Rotary tables • Automatic pallet change
- Zero-point systems for rapid part change

# correa

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

## Nicolás Correa, S.A.

Alcalde Martín Cobos, 16-A  
09007 Burgos • Spain

Phone: +34 947 288 100

Fax: +34 947 288 117

[correa@correa.es](mailto:correa@correa.es)

