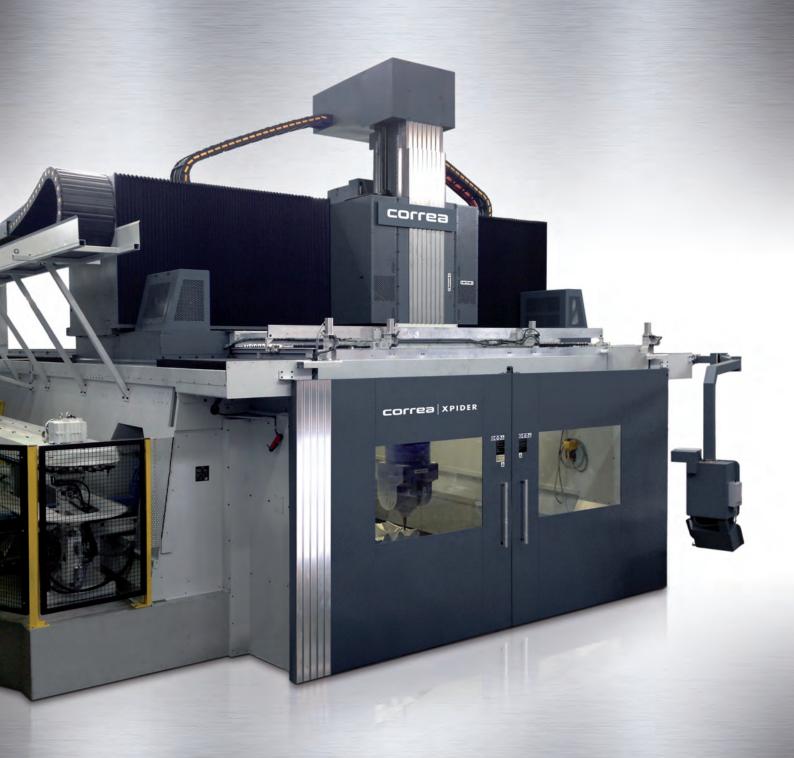
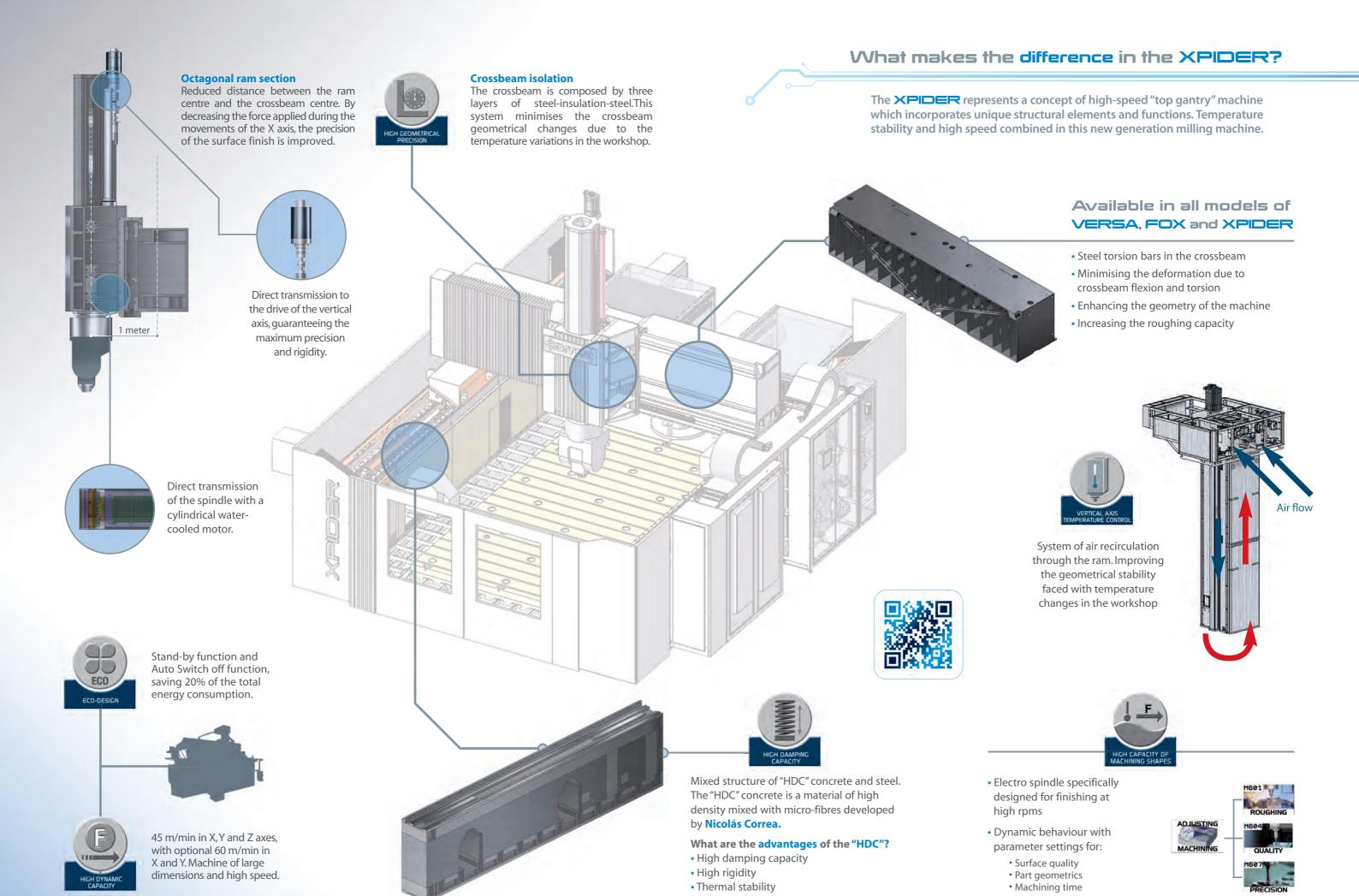


# XPDER

High Speed Top Gantry Milling Machine



Correa



### **Technical** Features

		XPIDER		
			TABLE	
Surface	mm	3.500 + 1 500N x 1.500 – 2.500		
Maximum load on the table	Kg/m²	10.000		
		TRAVERSES		
Longitudinal	X mm	3.500 - 1.500N		
Cross	Y mm	2.000	3.000	
Vertical	Z mm	1.000 - 1.500		
		WORK CAPACITY		
Distance between columns	mm	3.000	4.000	
			FEEDS	
	X m/min	45 / 60		
Maximum	Y m/min	45 / 60		
	Z m/min	45 / 45		
		SPINDLE SPECIFICATIONS		
Spindle nose		ISO-50   HSK-63   HSK-100		
Programmable speed	rpm	6.000 / 12.000 / 24.000		
Maximum power	kW	30 / 35* / 60*		

<sup>\*</sup> Only with E5E milling head (Electrospindle).

## Standard Equipment

Five-axes twist drill head Hydraulic and cooling group equipped with electrospindle Linear scales in all axes Numerical control Heidenhain or Siemens (Operate HMI) External Coolant with adjustable nozzles Portable handwheel Internal and external air flow Air-conditioned electrical cabinet Linear guides in the X, Y and Z axes Guarding Lamp in the working area Tele-service

## Optional Equipment

Other heads

Automatic head-changer

Tool and parts measurement probes

Automatic changer for 30, 40, 60, 120 tools

Pick up station for 6, 8, 12 tools

Air/Coolant cleaning gun

Self-cleaning filter

Rotary tables

Chip conveyors

Perimeter fence

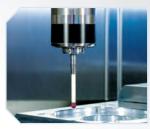
Different enclosures according to user's needs (only in some models)

Coolant through spindle 17,36,70 bar

Zero Point Clamping System integrated in the machine









## **ESE** Milling Head

#### FLEXIBILITY

Axis C rotation, from -200° to +200° \*Optional -360° to +360°

Axis B rotation, from -110° to +110°

**3** configurable electrospindles on the same boring head

Cutting fluid and/or air through the spindle, which can be adjusted from 17 to 70 bar

Cutting fluid and/or outside air with integrated adjustable nozzles

#### PRODUCTIVITY

C axis rotation speed: **45 rpm**C axis acceleration: **10 rev / sec²**B axis rotation speed: **25 rpm** 

B axis acceleration: 10 rev / sec<sup>2</sup>

#### ROBUSTNESS

C axis working torque: **2200 Nm** (Motor-Torque)

C axis braking torque: 4000 Nm

B axis working torque: 2026 Nm (Motor + reduction + gears)

B axis braking torque: 4000 Nm

Superior quality **Kessler or Fischer** electrospindle





#### 100% RELIABLE

## RELIABILITY

Head designed and manufactured in Nicolás Correa

Head assembled in white room at 22°C

Kessler / Fischer electrospindle

More demanding **cutting** tests

Automatic lubrication

#### PRECISION

Temperature-based **pivoting distance** correction main axis bearings

Mean Ps error < 0,001°

Total P error < 0,002°

B axis encoder placed on last rotation axis

Completely symmetrical transmission in the B axis. The heat generated during the transmission in the B axis is uniformly distributed among the milling head









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