XCEEDER

Flexible High Tech Solutions for Industry

"Those who look a little harder discover a lot more"

breton
Machine Tools

EN

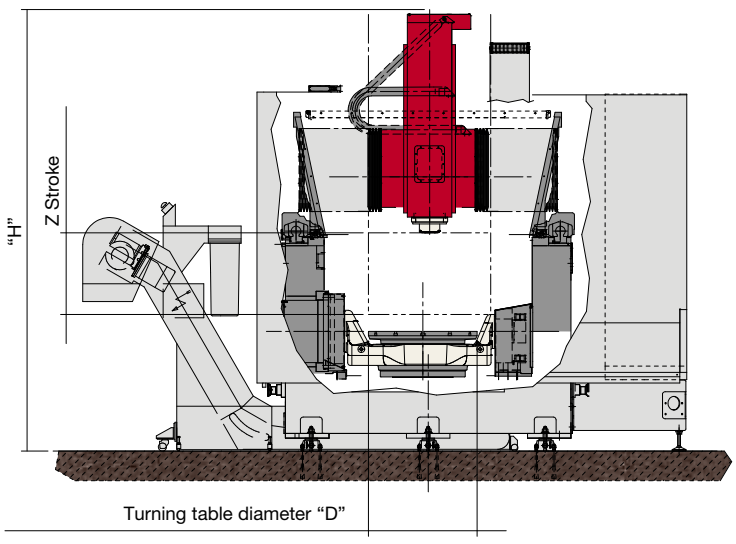
XCEEDER Customized Efficiency

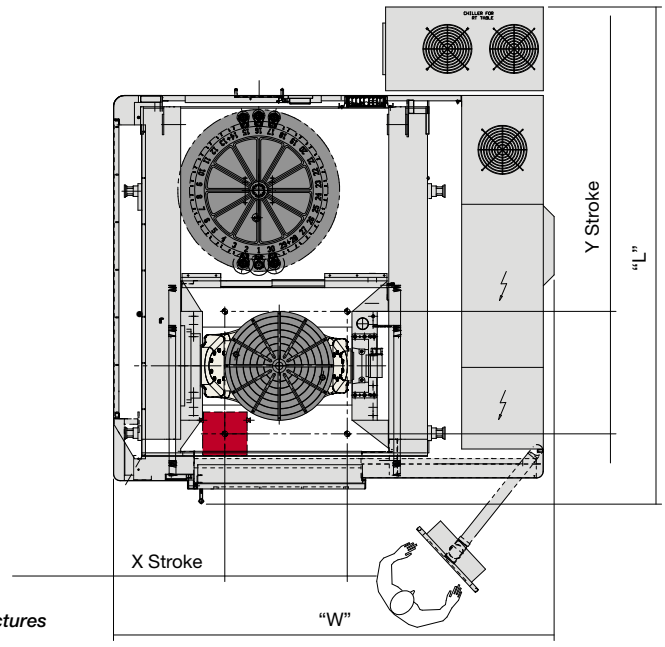
breton
Machine Tools

XCEEDER

NEW

		XCEEDER 900 RT / MICRON	XCEEDER 1200 RT HD / MICRON	XCEEDER 1400 RT HD / MICRON
Interpolated axes		5	5	5
X Stroke	mm in	900 35.4	1,200 47.2	1,500 59
Y Stroke	mm in	900 35.4	1,000 39.4	1,500 59
Z Stroke	mm in	600 23.6	700 27.6	900 35.4
Table dimension	mm in	800 31.5	1,100 43.3	1,200 47.2
Table loading capacity	kg lb	1,000 2,200	1,200 2,645	1,500 3,306
X - Y Axes rapid feedrate	m/min ipm	60 2,362	60 2,362	60 2,362
Z Axis rapid feedrate	m/min ipm	40 1,575	40 1,575	40 1,575
A Axis rotation		-30° ÷ +110°	-30° ÷ +120°	± 130°
C Axis rotation		continuous	continuous	continuous
A Axis rapid feedrate	rpm	50	30	30
C Axis rapid feedrate	rpm	100	60	60
Spindle power S6(40%) / S1	kW HP	40/40 or 54/40 or 55/40 53.6/53.6 or 72.4/53.6 or 73.8/53.6	85/74.6 or 54/40 or 40/40 114/100 or 72.4/53.6 or 53.6/53.6	85/74.6 or 54/40 or 40/40 114/100 or 72.4/53.6 or 53.6/53.6
Spindle torque S6(40%) / S1	Nm ft-lb	137/100 or 70/51 or 22/16 101/73.7 or 51.6/37.6 or 16.2/11.8	480/300 or 70/51 or 137/100 354/221 or 51.6/37.6 or 101/73.7	480/300 or 70/51 or 137/100 354/221 or 51.6/37.6 or 101/73.7
Spindle speed	rpm	18,000 or 28,000 or 40,000	14,000 or 28,000 or 18,000	14,000 or 28,000 or 18,000
Milling tool taper		HSK-63A	HSK-63A or HSK-A100	HSK-63A or HSK-A100
W x H x L	mm in	4,500 x 3,300 x 3,800 177 x 129 x 149	4,500 x 3,700 x 6,400 177 x 145 x 251	5,200 x 4,000 x 4,100 204 x 157 x 161



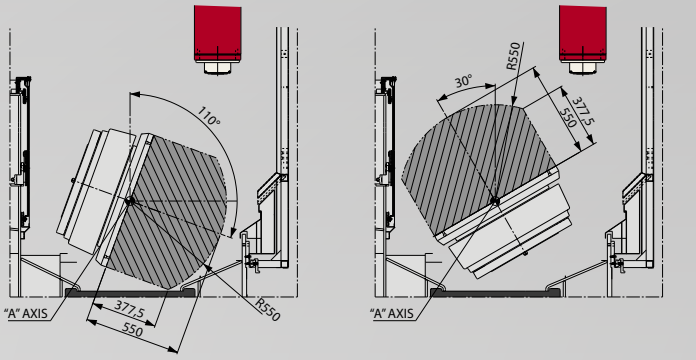


Purely indicative pictures

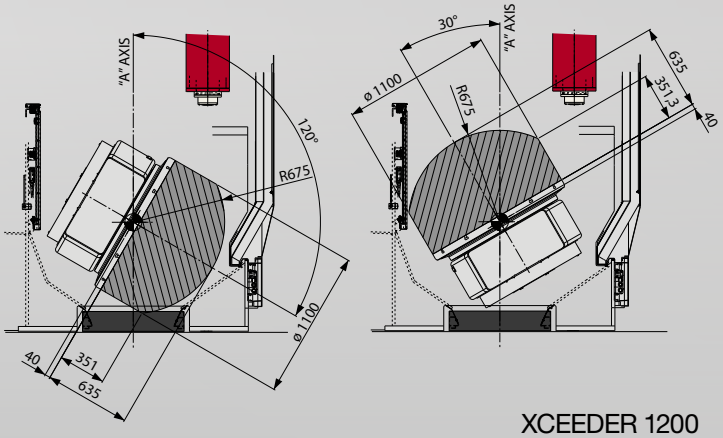
A flexible machining center, the ideal solution
XCEEDER is the high speed portal machining center with trunnion table and 5 axis, built for precision, longevity and reliability in milling operations of small to large parts. Not simply a machining center but a complete precision manufacturing cell offering all the required productivity and flexibility.

Three configurations, unlimited applications
The XCEEDER series offers multiple configurations to face at best all the applications ranging from the tough superalloys up to the most complex composites materials. Three available versions with maximum machining diameters of 900 mm, 1200 mm e 1400 mm (35.5”, 47”, 55”) tailored to the production of complex gears, impellers, blisks, jet-engine parts, moulds, dies, tools and gears. Projects in aerospace, automotive, power generation, and general industry.

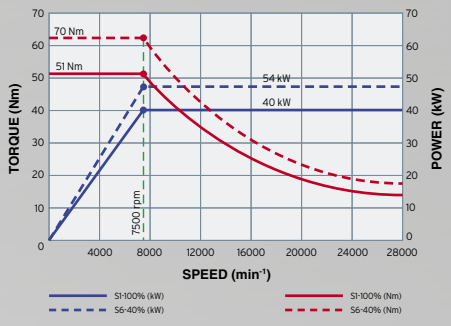
Ergonomics and convenience
The XCEEDER series is designed for USER-FRIENDLY and productivity enhancing operation.



XCEEDER 900

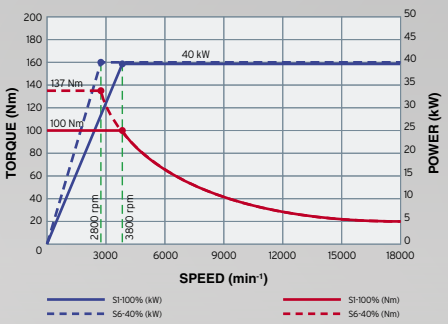


XCEEDER 1200



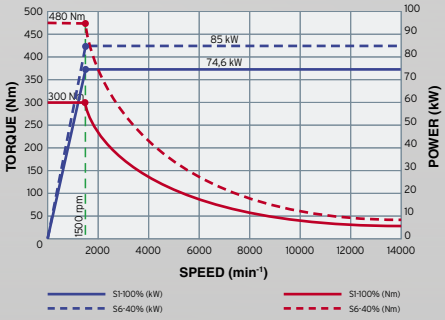
M 51/28

A 40 kW electrospindle with a 51 nm continuous torque in s1 and 28,000 rpm is the ideal choice for high-speed machining requirements for steel and light alloy from rough milling to precision surface finishing operations.



M 100/18

A 40 kW electrospindle with a 100 nm continuous torque in s1 and 18,000 rpm efficiently machines steel and light alloy from rough milling to precision surface finishing operations.



M 300/14

A 48 kW electrospindle with a 300 nm continuous torque in s1 and 14,000 rpm efficiently machines steel and superalloy from rough milling to precision surface finishing operations.

Provided with full frontal and overhead access to simplify and normalize load/unload operations of even the most precise and sensible parts. The wide doors with large inspection windows grant to the operators an accurate process supervision on absolute safety also on installations with APC systems.

Innovative technology on rock-solid bases

It is from the heart of the XCEEDER structures that most of its multiple advantages originate. Its base is not simply a monoblock but, due to the dampening capacity of Breton patented “Metalquartz”, thermal inertia and removal of vibrations combine together to guarantee top quality, higher accuracy and reduced cutting-tools wear. The robust ribbed portal is guided and driven by a Gantry system assuring a perfect thrust and thermal symmetry, thus avoiding any undesired torsions. It is with extreme easiness that XCEEDER reaches the inner sides of narrowest components or any angle on the most complex parts. This is made possible by its sturdy vertical RAM and by the trunnion-type tables equipped with the most dynamic and efficient DirectDrive technology.

Powerful high speed
High Dynamics
To be strong, fast and accurate at the same time is not an easy task, and not everybody can do it. XCEEDER is all in one, thanks to the axis drives at 60 m/min (2360”/min) on short-pitch recirculating ballscrews and to the use of DirectDrive motors with brisky accelerations, high Jerks and tight contour tolerances.

ElettroSpindle
The various XCEEDER configurations always guarantee the highest efficiency in milling operation due to an accurate selection of branded electrospindles with their combination of torque, power and speed. From 30 to 480Nm, from 20 to 85Kw (27 - 115 Hp) with 14.000, 18.000 e 28.000 rpm it is always easy to find the best set performances to get the most from any material.

printed in italy by Laboratorio Grafico BST - 09/13 - 350 - EN

breton

BRETON SPA
VIA GARIBALDI, 27
31030 CASTELLO DI GODEGO TV - ITALY
TEL +39 0423 7691 - FAX +39 0423 769600
info@breton.it - www.breton.it

UNI EN ISO 9001:2000
CERT. No. 0056/4

UNI EN ISO 14001:2004
CERT. No. 299A/0