



The machining centers of the XMx 1300-1600 or XM 1690-2090 "BIG SIZE" series with **TILTING HEAD** and the "XMT" version with integrated rotary table (table in table), have a **CONTINUOUS TILTING** head (4th axis). The XMT version incorporates a table in table (diameter 620 or 800 mm) embedded in the orthogonal table. The rotation of the head in continuous ($\pm 95^\circ$) can be tilted in 0.001° minimum steps and locked by a hydraulic system for "hardness" work with maximum rigidity.

In both the machines, the head is equipped with an build-in spindle with 12,000 RPM (15 / 18,000 opt.), 21Kw. The table in table has a diameter of 620 or 800 mm, in continuous interpolations (5° axis). In the XMx version (tilting head only) it's possible to use any type of other tables, and it can be mounted vertically which allows to work the pieces in both ways: horizontal and vertical.

CARATTERISTICHE PRINCIPALI / FEATURES	XMx-XMT 1690	XMx-XMT 2090
Dimensioni Tavola - max peso ammesso Table Dimension - max load	1.800 x 850 mm 2.000 Kg	2.100 x 850 mm 2.500 Kg
Numero cave a "T" - distanza - dimensioni "T" slots number - distance - dimensions	5 x 22 x 150 mm	5 x 22 x 150 mm
Corsa utile asse X - X axis travel	1.610 mm	2.010 mm
Corsa utile asse Y - X axis travel	910 mm	910 mm
Corsa utile asse Z - Z axis travel	800 mm	800 mm
TAVOLA GIREVOLE (Diametro/max peso ammesso) ROTARY TABLE (Diameter - max load)	800 mm - 850 Kg	800 mm - 850 Kg
Distanza tra piano tavola e naso mandrino -TILTING- Distance from the spindle nose and table surface -TILTING-	30 - 830 mm. (verticale /vertical) 275 - 1.075 mm (orizzontale/Horizontal)	
Attacco standard mandrino - Standard spindle attack	ISO 40 DIRECT DRIVE	
Massima velocità standard - Standard spindle speed	12.000 RPM elettromandrino (buid in)	
Angolo oscillazione testa (in continuo) - Continuous tilting angle head	$\pm 95^\circ$	
Potenza motore mandrino - Motor spindle power	21 Kw - 105 Nm (S1)	
Controllo numerico - CNC	VISEL mod. VSC 1070 (+ tastiera KBJ 2121) High speed, RTCP	
Max velocità assi rapido - Max axis speed	24 m/min	
Cambio utensili standard - Standard tools change	ARM TYPE (ATC) random	
Numero utensili - Tools number	24 (+1)	
Evacuatore trucioli - Chip conveyor	Tapparella in acciaio + carrellino / Steel belt + cariage	
Peso netto approssimativo - Machine net weight	19.000 Kg	21.500 Kg
Massima potenza assorbita - Power supply	XMx: 48 Kw - XMT: 55 Kw	XMx: 48 Kw - XMT: 55 Kw
Dimensioni macchina - Machine dimensions	5.650 x 4.260 mm H max 3.690 mm	6.320 x 4.260 mm H 3.690 mm



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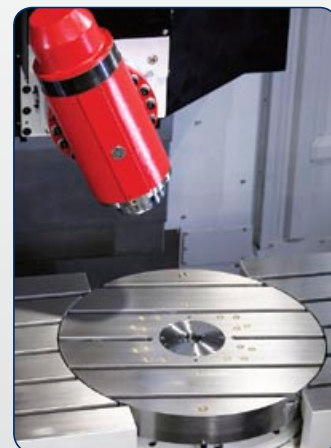


Tavola girevole + Testa tiltante
Table in table + Tilting head