

HITECO

HIGH TECHNOLOGY COMPONENTS

TESTE BIROTATIVE BIROTARY UNITS



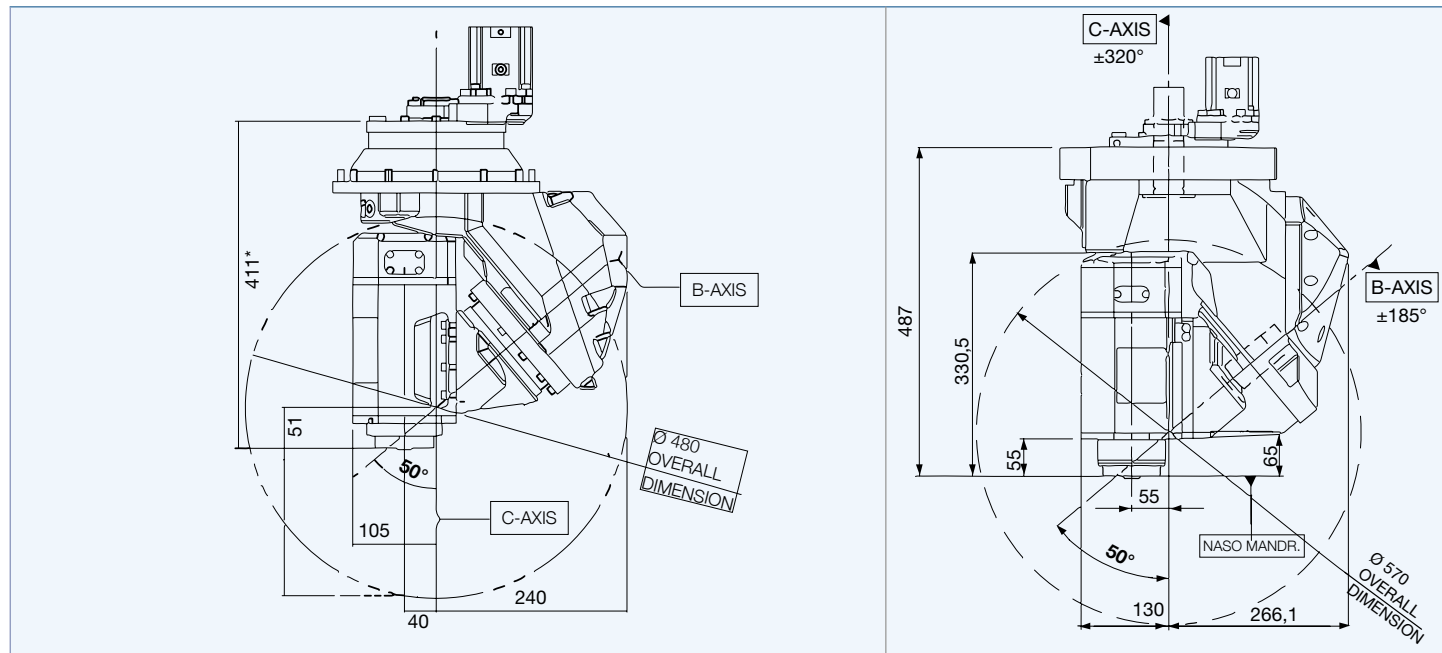
ADVANCED
MATERIALS

PLASTIC

WOOD

ALLUMINIUM





QX-1C 5/12 24	COMPRESSED AIR
QX-2 8.5/12 24	LIQUID SPEED
QX-2 11/12 24	LIQUID SPEED
QX-2 11/10 24	LIQUID TORQUE

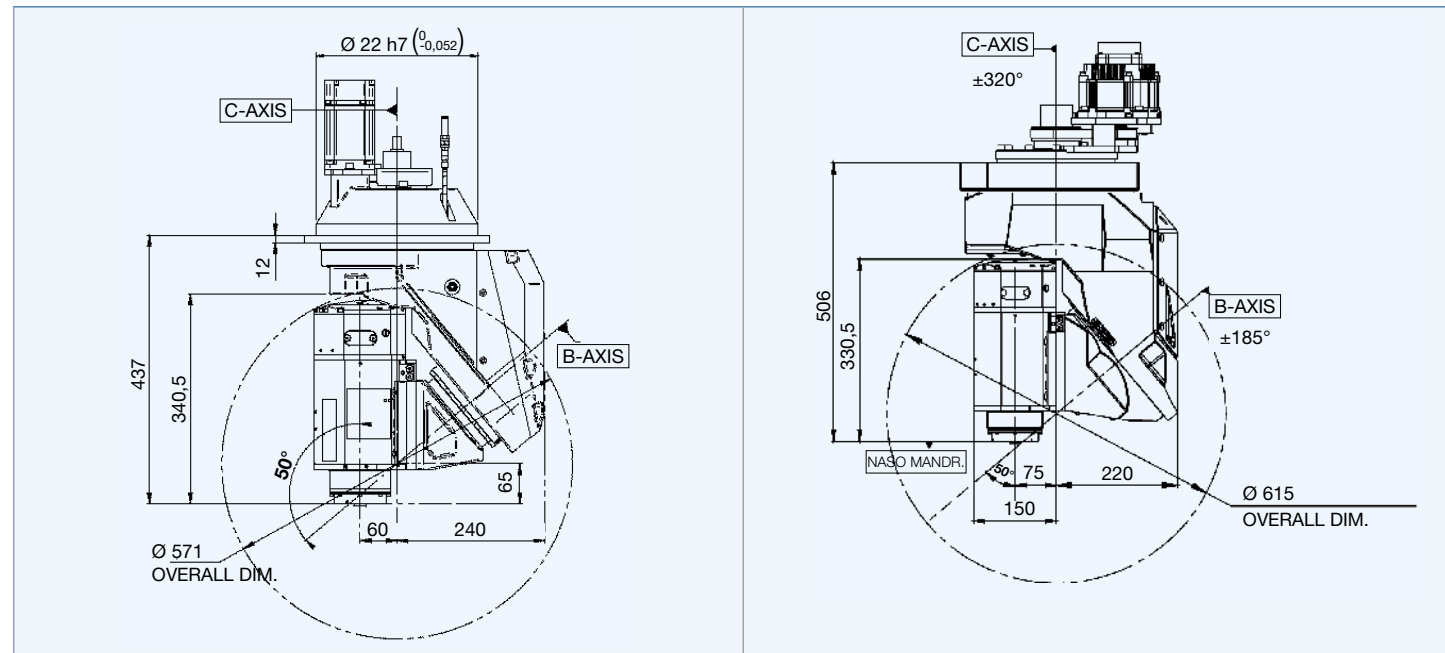


QX-2 8/15 36	LIQUID HIGH SPEED
QX-2 8/15 40	LIQUID HIGH SPEED



PX-2 10/7 24	LIQUID TORQUE
PX-2 13/7 24	LIQUID TORQUE
PX-2 12/12 24	LIQUID SPEED
PX-2 15/12 24	LIQUID SPEED

For more details on the electrospindles, refer to the ATC electrospindles catalogue.
Per maggiori dettagli sugli elettromandri fare riferimento al catalogo elettromandri ATC



PX-2 10/7 24	LIQUID TORQUE
PX-2 13/7 24	LIQUID TORQUE
PX-2 12/12 24	LIQUID SPEED
PX-2 15/12 24	LIQUID SPEED



PX-2 10/7 24	LIQUID TORQUE
PX-2 13/7 24	LIQUID TORQUE
PX-2 12/12 24	LIQUID SPEED
PX-2 15/12 24	LIQUID SPEED
PX-2 18/12 24	LIQUID SPEED
PX-2 24/10 24	LIQUID HIGH TORQUE

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ADVANCED
MATERIALS



WOOD

Technical drawings of the machine tool showing front and side views with dimensions and axis labels.

Front View (Left):

- C-AXIS:** $\pm 320^\circ$
- B-AXIS:** $\pm 185^\circ$
- SPINDLE NOSE**
- Ø 95**
- Ø 498 OVERALL DIMENSION**
- Dimensions:** 260, 130, 248, 370, 316.6, 45°

Side View (Right):

- C-AXIS:** $\pm 320^\circ$
- B-AXIS:** $\pm 185^\circ$
- SPINDLE NOSE**
- Ø 100**
- Ø 680 OVERALL DIMENSION**
- Dimensions:** 150, 340, Ø 262, 480, 470, 55, 45°

HX-2 10/7 24	LIQUID TORQUE
HX-2 12/12 24	LIQUID HIGH SPEED
HX-2 13/7 24	LIQUID TORQUE
HX-2 15/12 24	LIQUID SPEED
HX-2 18/12 24	LIQUID SPEED
HX-2 20/10 24	LIQUID HIGH TORQUE
HX-2 24/10 24	LIQUID HIGH TORQUE

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[illegible]

ML-1C 10/12 24	COMPRESSED AIR
ML-2 12/12 24	LIQUID

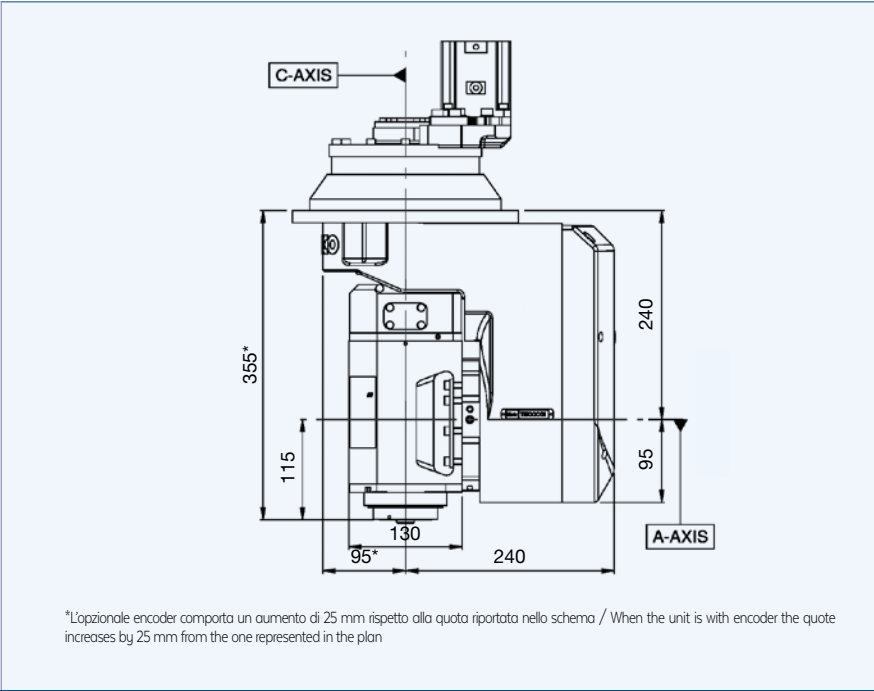
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SERIE TILT (90°)

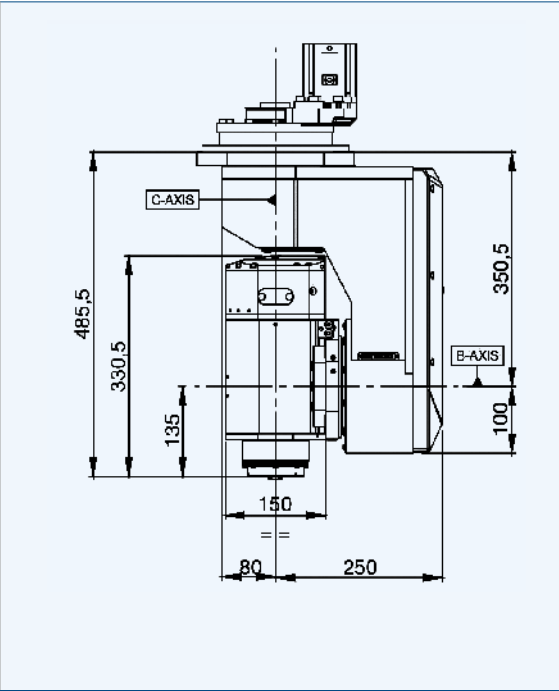


MODELLI / MODELS	TILT J / TILT J HIGH SPEED		TILT K	
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	ASSE / AXIS A	ASSE / AXIS C	ASSE / AXIS A	ASSE / AXIS C
Servomotore / Servomotor	Yaskawa*		Yaskawa*	
Potenza servomotore Servomotor power	0,40 kW		0,40 kW	
Encoder servomotore Servomotor encoder	Absolute 20 Bit Assoluto		Absolute 20 Bit Assoluto	
Riduttore / Gearbox	Harmonic Drive		Harmonic Drive	
Coppia di stallo / Stall torque	380 Nm		380 Nm	
Coppia di picco / Peak torque	570 Nm		570 Nm	
Max rotazione asse Max axes rotation	±120°	±320°	±135°	±320°
Freni meccanici / Axes brakes	No		No	
Encoder assi / Axes encoder	-		-	
Velocità posizionamento max Max. positioning speed	6.100°/‘		6.100°/‘	
Precisione di posizionamento assi Axes positioning accuracy	±30 arcsec		±30 arcsec	
Repetibilità / Repeatability	±15 arcsec		±15 arcsec	
Utenze / External air connections	n° 1		n° 2	
Peso / Weight	60 kg		100 kg	

* Sono disponibili altre marche di motorizzazioni a richiesta (che comportano una variazione del layout) / * Other engine brands are available on request (involving a variation of the layout)



*L'opzionale encoder comporta un aumento di 25 mm rispetto alla quota riportata nello schema / When the unit is with encoder the quote increases by 25 mm from the one represented in the plan

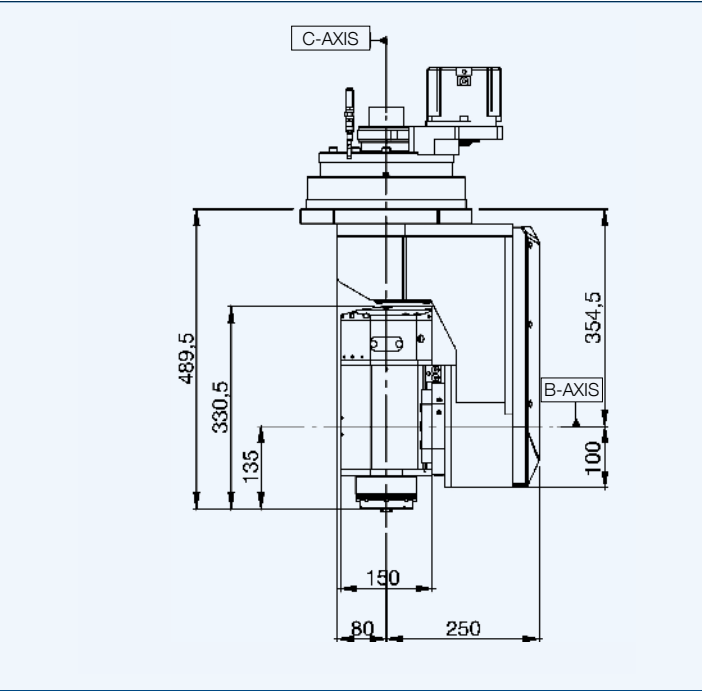
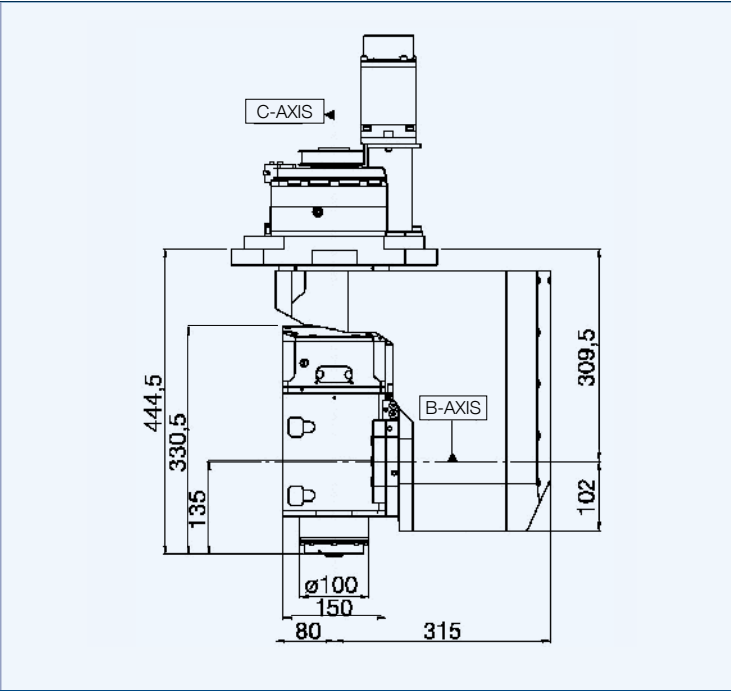


ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

QX HIGH SPEED SERIES		QX SERIES		PX SERIES	
	QX-2 8/15 36	LIQUID HIGH SPEED		QX-1C 5/12 24	COMPRESSED AIR
	QX-2 8/15 40	LIQUID HIGH SPEED		QX-2 8.5/12 24	LIQUID SPEED
				QX-2 10/12 24	LIQUID SPEED
				QX-2 11/12 24	LIQUID SPEED
				QX-2 11/10 24	LIQUID TORQUE

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TILT K PLUS		TILT H	
ASSE / AXIS A	ASSE / AXIS C	ASSE / AXIS A	ASSE / AXIS C
Yaskawa*		Yaskawa*	
0,40 kW	0,65 kW	0,40 kW	0,75 kW
Absolute 20 Bit Assoluto		Absolute 20 Bit Assoluto	
Sumitomo		Harmonic Drive	
350 Nm	503 Nm	380 Nm	460 Nm
1030 Nm		570 Nm	980 Nm
±130°	±320°	±135°	±320°
No		Si Yes	
-		-	
6.700°/‘	7.500°/‘	6.100°/‘	9.300°/‘
±30 arcsec		±30 arcsec	
±15 arcsec		±15 arcsec	
n° 2		n° 2	
100 kg		120 kg	
* Sono disponibili altre marche di motorizzazioni a richiesta (che comportano una variazione del layout) / * Other engine brands are available on request (involving a variation of the layout)			



ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

HX SERIES



HX-2 10/7 24	LIQUID TORQUE
HX-2 13/7 24	LIQUID TORQUE
HX-2 12/12 24	LIQUID SPEED
PX-2 15/12 24	LIQUID SPEED

PX SERIES



PX-2 10/7 24	LIQUID TORQUE
PX-2 13/7 24	LIQUID TORQUE
PX-2 12/12 24	LIQUID SPEED
PX-2 15/12 24	LIQUID SPEED
PX-2 18/12 24	LIQUID SPEED
PX-2 20/10 24	LIQUID HIGH TORQUE

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Technical drawings of the machine tool showing front and side views with dimensions.

Front View (Left):

- Overall height: 444,5
- Height from base to main body: 330,5
- Height from base to top section: 135
- Base width: 80
- Main body width: 150
- Overall width: 315
- Height from base to top section (right side): 309,5
- Height from base to top section (right side, lower part): 102
- Labels: C-AXIS, B-AXIS
- Dimension: Ø100

Side View (Right):

- Overall height: 444,5
- Height from base to main body: 330,5
- Height from base to top section: 135
- Base width: 80
- Main body width: 150
- Overall width: 235
- Height from base to top section (right side): 345,05
- Height from base to top section (right side, lower part): 102
- Labels: C-AXIS, B-AXIS
- Dimension: Ø100
- Dimension: Ø262

HX-2 10/7 24	LIQUID TORQUE
HX-2 13/7 24	LIQUID TORQUE
HX-2 12/12 24	LIQUID SPEED
HX-2 15/12 24	LIQUID SPEED
HX-2 18/12 24	LIQUID SPEED
HX-2 20/10 24	LIQUID HIGH TORQUE
HX-2 24/10 24	LIQUID HIGH TORQUE

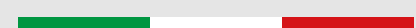
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Tipo EM	quota L1 (mm)	Tipo EM	quota L1 (mm)
HX-NC (SHORT NOSE)	135	HT-NC (SHORT NOSE)	185
HX-NL (LONG NOSE)	193	HT-NL (LONG NOSE)	243
		HT-NH (HEAVY NOSE)	211

Tipo EM	quota L1 (mm)	Tipo EM	quota L1 (mm)
HX-NC (SHORT NOSE)	135	HT-NC (SHORT NOSE)	185
HX-NL (LONG NOSE)	193	HT-NL (LONG NOSE)	243
		HT-NH (HEAVY NOSE)	211

HX-2 10/7 24	LIQUID TORQUE
HX-2 13/7 24	LIQUID TORQUE
HX-2 12/12 24	LIQUID SPEED
HX-2 15/12 24	LIQUID SPEED
HX-2 18/12 24	LIQUID SPEED
HX-2 20/10 24	LIQUID HIGH TORQUE
HX-2 24/10 24	LIQUID HIGH TORQUE
HT-2 25/10 24	LIQUID SPEED
HT-2 18/6 24	LIQUID TORQUE
HT-2 25/4 16	LIQUID HIGH TORQUE

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