

La più **completa gamma** di prodotti per centri di taglio **vetro e pietra**

*The most **complete product** range for **glass and stone** cutting centers*

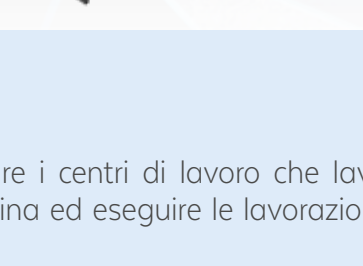
ELETTROMANDRINO ELECTROSPINDLE



ASSE C C-AXIS



AGGREGATO AGGREGATE UNIT



Hiteco propone il pacchetto completo per equipaggiare i centri di lavoro che lavorano vetro e pietra in grado di aumentare la flessibilità della macchina ed eseguire le lavorazioni più gravose: elettromandrino, asse C e aggregati.

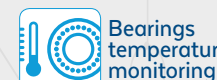
Hiteco offers the complete bundle for equipping glass and stone CNC to increase the machine flexibility and process the most heavy operations: electrospindle, C-axis and aggregate units.

Maximize the **productivity** of your machine and increase the **life** of your electrospindle with **iM Smart Sensor** and **Joint Monitoring Sensor**

iM Smart Sensor



The **iM Smart Sensor** is an intelligent sensor that constantly monitors the machining conditions of the spindle it is installed on. It can support the whole production process, monitoring the main quantities that the spindle works on: **vibration** and **temperature**. This process monitoring instrument lets users easily identify malfunctions and consequently reduce unexpected machine down times.



Joint Monitoring Sensor



JMS is the new sensor for joint monitoring powered by Hiteco. Hiteco has designed a sensor to detect the loss of the joint, planning its eventual maintenance or replacement.



Sensors Kit Industry 4.0 ready by Hiteco

Maximising machine productivity

Programming targeted maintenance interventions

Increase the electrospindle's life

Increase the machine's safety levels

HITECO
HIGH TECHNOLOGY COMPONENTS

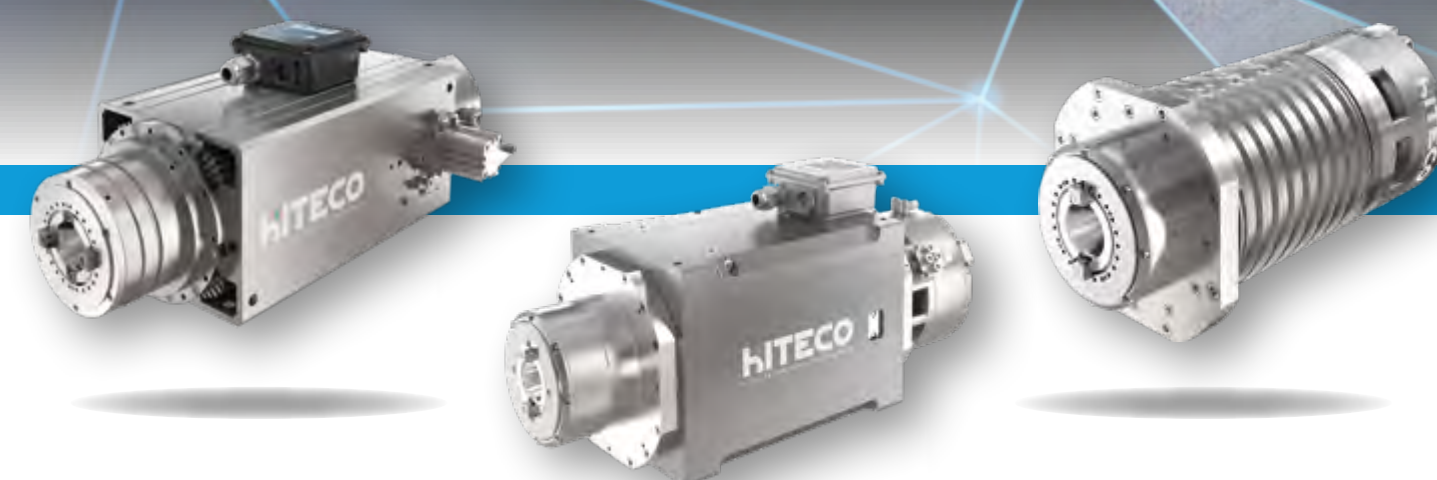
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HITECO
HIGH TECHNOLOGY COMPONENTS

GAMMA VETRO & PIETRA GLASS & STONE RANGE



STONE

GLASS



AGGREGATI PER ELETTROMANDRINI GLASS & STONE AGGREGATE UNITS FOR GLASS & STONE SPINDLES

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

Attacco mandrino / Spindle coupling	ISO40	
Velocità rotazione utensile / Max tool speed	5000 rpm	
Rapporto di trasmissione / Gear ratio	1:1	
Attacco utensile / Tool holder	1/2 gas	
Principali applicazioni / Main application	Fresatura / Milling	Incisione / Engraving

ONE GS H130



TWIN GS B250



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

Attacco mandrino / Spindle coupling	ISO40	
Velocità rotazione utensile / Max tool speed	5000 rpm	
Rapporto di trasmissione / Gear ratio	1:1	
Diametro massimo lama / Max blade diameter	ø 250	
Attacco utensile / Tool holder	1/2 Gas	
Principali applicazioni / Main application	Taglio / Cutting	Fresatura / Milling
		Incisione / Engraving

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

Attacco mandrino / Spindle coupling	ISO40	
Velocità rotazione utensile / Max tool speed	3300 rpm	
Rapporto di trasmissione / Gear ratio	1/1.5	
Diametro massimo lama / Max blade diameter	ø 350	
Principali applicazioni / Main application	Taglio / Cutting	

ONE GS B350



TWIN GS P100



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

Attacco mandrino / Spindle coupling	ISO40	
Velocità rotazione utensile / Max tool speed	5000 rpm	
Rapporto di trasmissione / Gear ratio	1:1	
Diametro platorello / Polishing pads	ø 100	
Attacco utensile / Tool holder	1/2 Gas	
Principali applicazioni / Main application	Fresatura / Milling	Lucidatura / Polishing
		Incisione / Engraving

DSIDE GS H105



BIS 5



ONE 45 GS B250



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

Attacco mandrino / Spindle coupling	ISO40
Velocità rotazione utensile / Max tool speed	6750 rpm
Rapporto di trasmissione / Gear ratio	1/0.74
Attacco utensile / Tool holder	G1/4
Principali applicazioni / Main application	Foratura / Drilling

SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

Attacco mandrino / Spindle coupling	ISO40
Velocità rotazione utensile / Max tool speed	5000 rpm
Rapporto di trasmissione / Gear ratio	1/1
Attacco utensile / Tool holder	M16
Angolo / Angle	5 °
Principali applicazioni / Main application	Bisellatura / Beveling

SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

Attacco mandrino / Spindle coupling	ISO40
Velocità rotazione utensile / Max tool speed	5000 rpm
Rapporto di trasmissione / Gear ratio	1/1
Diametro massimo lama / Max blade diameter	ø 250
Principali applicazioni / Main application	Taglio / Cutting

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IDENTIFICAZIONE ELETTROMANDRINI / ELECTROSPINDLE IDENTIFICATION KEY

Example

SXM225/2.210I40TNCBEN

MODELLO (DIMENSIONE CARCASSA) /
MODEL (HOUSING DIMENSION)

MG	200 X 200 mm
GX	175 X 152 mm
SGX	Ø 178,5 mm
SXM	230 X230 mm
SXL	275 X 270 mm

RAFFREDDAMENTO /
COOLING TYPE

Z= LIQUID/LIQUID

VENTOLA SU ALBERO /
FAN ON SHAFT

POTENZA NOMINALE (S1) @ VELOCITÀ /
RATED POWER (S1) @ SPEED

MAX POTENZA @ VELOCITÀ/MAX POWER @ SPEED

VELOCITÀ MAX / MAX SPEED

ATTACCO UTENSILE /
TOOL HOLDER

ISO40
I30 = ISO30
I40 = ISO40
I50 = ISO50

NASO MANDRINO / SPINDLE NOSE

NC= NASO CORTO/SHORT NOSE

NL= NASO LUNGO/LONG NOSE

CONNESSIONE ELETTRICA DI POTENZA /
POWER ELECTRIC CONNECTION

CB= CONNESSIONE BASE/
BASIC CONNECTION

CC= CONNESSIONE CIRCOLARE/
CIRCULAR CONNECTION

SC= SENZA CONNESSIONE/
NO CONNECTION

ENCODER

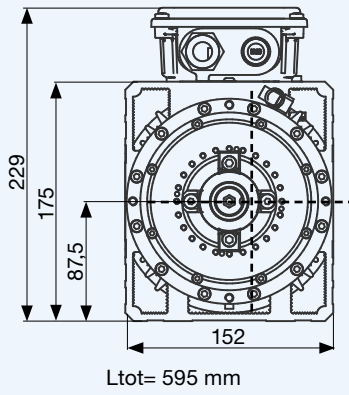
ES= ENCODER 1VPP (SYNUSOIDAL WAVE)

IDX= INDEX PNEUMATIC/PNEUMATIC INDEX

GX

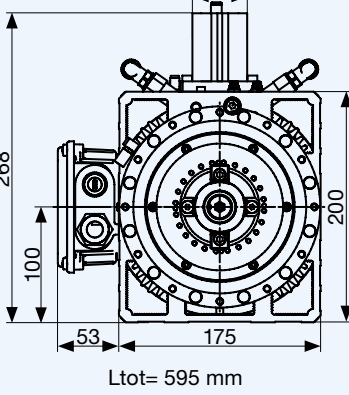


GX



Ltot= 595 mm

GXM



Ltot= 595 mm

EQUIPAGGIAMENTO / EQUIPMENT

ISO30 DIN o ISO40 HITECO

Labyrinth with air seal

Cooling by shaft-driven fan

Double effect Pneumatic cylinder

Grease lubrication

Sensors s1, s2, s3, s5

Automatic tool change (ATC)

Water tool cooling

OPZIONALI / OPTIONS

iM Smart Sensor

Encoder 1Vpp or TTL

Speed

Pneumatic index

Joint Monitoring Sensor

Ceramic ball bearings

ACCESSORI / ACCESSORIES

Sleeve tool cooling

C-axis available

	GLASS		GLASS		STONE	
	GX-40 I30	GX-40 I40	GX-60 I30	GX-60 I40	GX-80 I40	
Potenza (S1-S6) Power (S1-S6)	4 - 4,5 kW		6 - 7 kW		8 - 9,5 kW	
Assorbimento corrente (S1-S6) Current consumption (S1-S6)	7,5 - 9 A		14 - 16 A		17 - 20 A	
Coppia (S1-S6) Torque (S1-S6)	6 - 7 Nm		9,5 - 11,5 Nm		13 - 15 Nm	
Poli Poles	4	4	4	4	4	
Velocità nominale Rated speed	6.000 rpm	6.000 rpm	6.000 rpm	6.000 rpm	6.000 rpm	
Velocità massima Max speed	15.000 rpm	12.000 rpm	15.000 rpm	12.000 rpm	12.000 rpm	
Attacco utensile Tool holder	ISO30	ISO40	ISO30	ISO40	ISO40	
Raffreddamento Cooling	Shaft-driven fan	Shaft-driven fan	Shaft-driven fan	Shaft-driven fan	Shaft-driven fan	
Pressione sblocca utensile (bar) Tool release pressure (bar)	6	6	6	6	6	
Lubrificazione cuscinetti Bearings lubrication	Grease	Grease	Grease	Grease	Grease	
Peso Weight	55 Kg	58 Kg	55 Kg	58 Kg	58 Kg	
	GXM-95 I40	GXM-115 I40	GXM-130 I40	GXM-170 I40		
Potenza (S1-S6) Power (S1-S6)	9,5 - 11,5 kW	11,5 - 14 kW	13 - 15,5 kW	17 - 19 kW		
Assorbimento corrente (S1-S6) Current consumption (S1-S6)	21 - 24 A	24 - 28 A	30 - 33 A	36 - 41 A		
Coppia (S1-S6) Torque (S1-S6)	15 - 18 Nm	18 - 22 Nm	28 - 33 Nm	31 - 35 Nm		
Poli Poles	4	4	4	4		
Velocità nominale Rated speed	6.000 rpm	6.000 rpm	4.500 rpm	5.200 rpm		
Velocità massima Max speed	12.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm		
Attacco utensile Tool holder	ISO40	ISO40	ISO40	ISO40		
Raffreddamento Cooling	Shaft-driven fan	Shaft-driven fan	Liquid	Liquid		
Pressione sblocca utensile (bar) Tool release pressure (bar)	6	6	6	6		
Lubrificazione cuscinetti Bearings lubrication	Grease	Grease	Grease	Grease		
Peso Weight	65 Kg	65 Kg	65 Kg	65 Kg		

ASSE C MONTABILE SULLA LINEA GXM
C-AXIS AVAILABLE ON GXM LINE

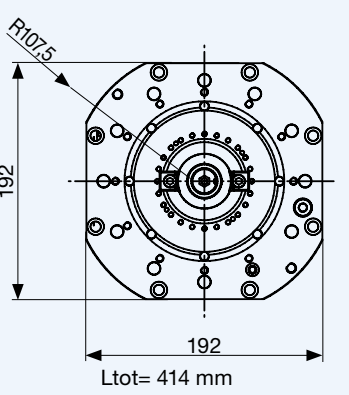
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	
Rapporto trasmissione / Transmission ratio	1:200
Velocità nominale di rotazione / Rated output speed	20 rpm
Velocità nominale ingresso / Rated input speed	4000 rpm
Coppia nominale in uscita / Output rated torque	200 Nm
Coppia di accelerazione massima / Max. acceleration torque	400 Nm
Precisione di posizionamento / Position accuracy	< 5 arcmin
Pressione ingresso acqua aggregato / Inlet water pressure for aggregate	< 3,5 bar
Peso / Weight	19 kg



SGX

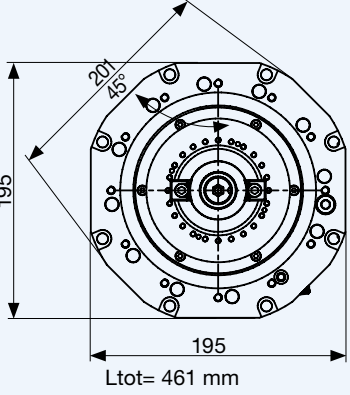


SGX NZ (No Nose)



Ltot= 414 mm

SGX NC (Short Nose)



Ltot= 461 mm

GLASS

STONE

EQUIPAGGIAMENTO / EQUIPMENT

ISO40 HITECO

Labyrinth with air seal

Grease lubrication

Water tool cooling

Liquid cooling

Double effect pneumatic cylinder

Ø 178

Sensors s1, s2, s3, s5

Encoder 1Vpp or TTL

OPZIONALI / OPTIONS

iM Smart Sensor

Speed

Joint Monitoring Sensor

Ceramic ball bearings

Short nose (L= 94 mm)

ACCESSORI / ACCESSORIES

C-axis available

	SGX-130 I40	SGX-170 I40
Potenza (S1-S6) Power (S1-S6)	13 - 15,5 kW	17 - 19 kW
Assorbimento corrente (S1-S6) Current consumption (S1-S6)	30 - 33 A	36 - 41 A
Coppia (S1-S6) Torque (S1-S6)	28 - 33 Nm	31 - 35 Nm
Poli Poles	4	4
Velocità nominale Rated speed	5.000 rpm	5.200 rpm
Velocità massima Max speed	12.000 rpm	12.000 rpm
Attacco utensile Tool holder	ISO40	ISO40
Raffreddamento Cooling	liquid	liquid
Pressione sblocca utensile (bar) Tool release pressure (bar)	10	10
Lubrificazione cuscinetti Bearings lubrication	Grease	Grease
Peso Weight	42 Kg	43 Kg

ACCESSORI / ACCESSORIES

C-axis available

Sleeve tool cooling

Housing

MANDRINO DISPONIBILE ANCHE CON CARCASSA VERSIONE 3 O 5 ASSI
SPINDLE ALSO AVAILABLE WITH 3 OR 5 AXES HOUSING

5-AXES HOUSING



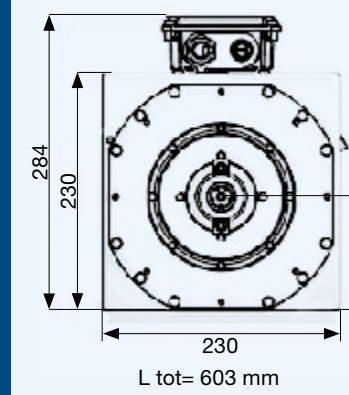
3-AXES AND ROBOT



SX

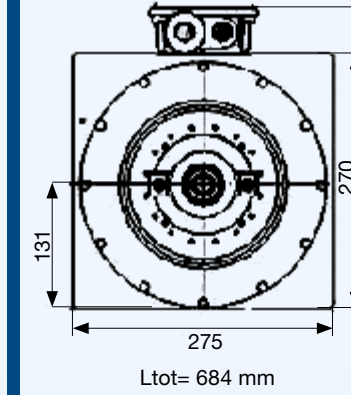


SXM



L tot= 603 mm

SXL



Ltot= 684 mm

STONE

EQUIPAGGIAMENTO / EQUIPMENT

ISO40 HITECO o ISO 50 DIN

Labyrinth with air seal

Encoder 1Vpp or TTL

Water tool cooling

Sensors s1, s2, s3, s5

Automatic tool change (ATC)

Double effect pneumatic cylinder

Grease lubrication

Liquid cooling

OPZIONALI / OPTIONS

iM Smart Sensor

Increased max speed (from 10000 rpm to 12000 rpm)

Joint Monitoring Sensor

Increased max speed (from 8000 rpm to 10000 rpm)

Speed

Ceramic ball bearings

ACCESSORI / ACCESSORIES

Sleeve tool cooling

	SXM-250 I40	SXL-350 I50
Potenza (S1-S6) Power (S1-S6)	25 - 28 kW	35 - 40 kW
Assorbimento corrente (S1-S6) Current consumption (S1-S6)	46 - 55 A	72 - 86 A
Coppia (S1-S6) Torque (S1-S6)	109 - 123 Nm	239 - 273 Nm
Poli Poles	4	6
Velocità nominale Rated speed	2.200 rpm	1.400 rpm
Velocità massima Max speed	10.000 rpm	8.000 rpm
Attacco utensile Tool holder	ISO40 HITECO	ISO 50 DIN
Raffreddamento Cooling	liquid	liquid
Pressione sblocca utensile Tool release pressure	6 bar	12 bar
Lubrificazione cuscinetti Bearings lubrication	Grease	Grease
Peso Weight	120 Kg	180 Kg

ONLY FOR SXM

ACCESSORI / ACCESSORIES

Sleeve tool cooling

MANDRINO DISPONIBILE ANCHE CON FLANGIA PER LAMA
SPINDLE ALSO AVAILABLE WITH BLADE DISCS

DIAMETRO MASSIMO LAMA MONTABILE
SU FLANGE: D1300 mm.

MAX DIAMETER SAW BLADE MOUNTED
ON DISCS: D1300 mm.



- FOCUS ON
- Giunto Hiteco integrato per raffreddamento utensile / Hiteco rotating water joint for tools cooling
 - Manutenzione semplificata / Easy maintenance
 - Design estremamente compatto / Very compact design
 - Elevata velocità di lavorazione / High speed processing
 - Principali componenti in acciaio INOX / Main components in INOX steel
 - Sensore accelerometrico iM Smart Sensor (opz.) / Accelerometric sensor iM Smart Sensor (opt.)
 - Distributore liquido refrigerante utensile / Sleeve tool cooling
 - Encoder integrato 1Vpp o TTL (opz.) / Integrated 1Vpp or TTL encoder (opt.)
 - Sensore Monitoraggio Giunto (opz.) / Joint Monitoring Sensor (opt.)