

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

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

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.



Bearings temperature monitoring



Speed monitoring



Vibration sensor

Joint Monitoring Sensor

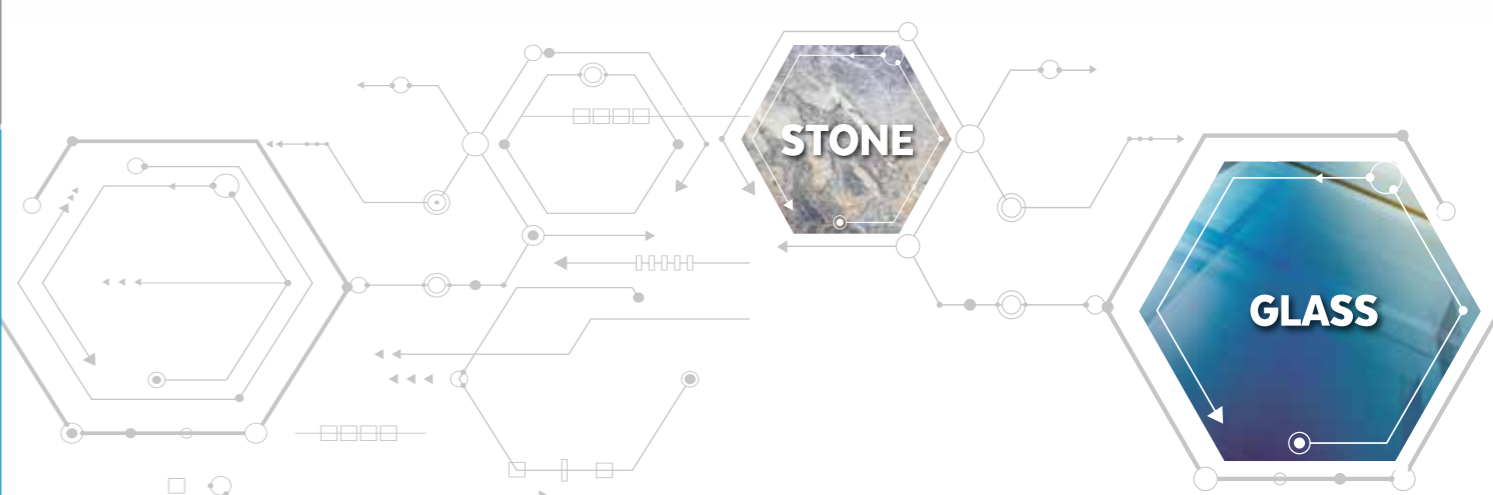


JMS is the new sensor for joint monitoring powered by Hiteco. Hiteco has designed a sensor to detect the loss of the joint, planning its eventual maintenance or replacement.



Joint Monitoring Sensor

GLASS & STONE RANGE



HITECO
HIGH TECHNOLOGY COMPONENTS

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GLASSTECH GX



EQUIPAGGIAMENTO / EQUIPMENT

- Water tool cooling
- Labyrinth with air seal
- Cooling by shaft-driven fan
- Double effect pneumatic cylinder
- Grease lubrication
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)

OPZIONALI / OPTIONS

- iM Smart Sensor
- Joint Monitoring Sensor
- Pneumatic index
- Sleeve tool cooling
- Speed 15.000
- Sensor s5
- Encoder TVpp or TTL
- Ceramic ball bearings



	GX-40 I30	GX-40 I40	GX-60 I30	GX-60 I40	GX-80 I40	GXM-95 I40	GXM-115 I40	GXM-130 I40	GXM-170 I40
Potenza (S1-S6) / Power (S1-S6)	3,7 - 4,4 kW	3,7 - 4,4 kW	6 - 7,2 kW	6 - 7,2 kW	8 - 9,6 kW	9,5 - 11,5 kW	11,5 - 14 kW	13 - 15,5 kW	17 - 19 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	7,5 - 9 A	7,5 - 9 A	14 - 16 A	14 - 16 A	17 - 20 A	21 - 24 A	24 - 28 A	33 - 35 A	35 - 38 A
Coppia (S1-S6) / Torque (S1-S6)	6 - 7 Nm	6 - 7 Nm	9,5 - 11,5 Nm	9,5 - 11,5 Nm	12,7 - 15,3 Nm	15 - 18,3 Nm	18,5 - 22,3 Nm	27,6 - 32,9 Nm	31,2 - 33 Nm
Poli / Poles	4	4	4	4	4	4	4	4	4
Velocità nominale / Rated speed	6.000 rpm	6.000 rpm	6.000 rpm	6.000 rpm	6.000 rpm	6.000 rpm	6.000 rpm	4.500 rpm	5.200 rpm
Velocità massima / Max speed	15.000 rpm	12.000 rpm	15.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm
Attacco utensile / Tool holder	ISO 30	BT 40-ISO40	ISO 30	BT 40-ISO40	BT 40-ISO40	BT 40-ISO40	BT 40-ISO40	BT 40-ISO40	BT 40-ISO40
Raffreddamento / Cooling	Shaft-driven fan	Shaft-driven fan	Shaft-driven fan	Shaft-driven fan	Shaft-driven fan	Shaft-driven fan	Shaft-driven fan	liquid	liquid
Cambio utensile / Tool change	Pneumatic (*)	Pneumatic (*)	Pneumatic (*)	Pneumatic (*)	Pneumatic (*)	Pneumatic (*)	Pneumatic (*)	Pneumatic (*)	Pneumatic (*)
Lubrificazione cuscinetti / Grease lubrication	Grease lubrication	Grease lubrication	Grease lubrication	Grease lubrication	Grease lubrication	Grease lubrication	Grease lubrication	Grease lubrication	Grease lubrication
Peso / Weight	55 Kg	58 Kg	55 Kg	58 Kg	58 Kg	65 Kg	65 Kg	65 Kg	65 Kg

(*)5 bar

STONETECH SGX



	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)	33 - 35 A	35 - 38 A
Coppia (S1-S6) / Torque (S1-S6)	27,6 - 32,9 Nm	31,2 - 33 Nm
Poli / Poles	4	4
Velocità nominale / Rated speed	4.500 rpm	5.200 rpm
Velocità massima / Max speed	12.000 rpm	12.000 rpm
Attacco utensile / Tool holder	BT 40-ISO40	BT 40-ISO40
Raffreddamento / Cooling	liquid	liquid
Cambio utensile / Tool change	Pneumatic(*)	Pneumatic(*)
Lubrificazione cuscinetti / Grease lubrication	Grease lubrication	Grease lubrication
Peso / Weight	42,5 Kg	42,5 Kg

(*)10 bar, multipl. pressione richiesto / 10 bar, pressure booster required

EQUIPAGGIAMENTO / EQUIPMENT

- Water tool cooling
- Labyrinth with air seal
- Grease lubrication
- Liquid cooling
- Sensors s1, s2, s3, s5
- Encoder TVpp or TTL
- Double effect pneumatic cylinder
- Automatic tool change (A.T.C)
- Ø 178

OPZIONALI / OPTIONS

- iM Smart Sensor
- Joint Monitoring Sensor
- Speed 15.000
- Ceramic ball bearings
- Housing
- Sleeve tool cooling

STONETECH SX



	SXM-250 I40	SXL-350 I50
Potenza (S1-S6) / Power (S1-S6)	24 - 28 kW	35 - 40 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	45 - 55 A	72 - 86 A
Coppia (S1-S6) / Torque (S1-S6)	105 - 115 Nm	240 - 270 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
Velocità massima opzionale / Optional max speed	12.000 rpm	10.000 rpm
Attacco utensile / Tool holder	BT-ISO 40	ISO 50
Raffreddamento / Cooling	liquid	liquid
Cambio utensile / Tool change	Pneumatic(*)	Pneumatic(**)
Lubrificazione cuscinetti / Grease lubrication	Grease lubrication	Grease lubrication
Peso / Weight	120 Kg	200 Kg

(*)5 bar
(**)12 bar, multipl. pressione richiesto / 12 bar, pressure booster required

EQUIPAGGIAMENTO / EQUIPMENT

- Water tool cooling
- Labyrinth with air seal
- Grease lubrication
- Liquid cooling
- Sensors s1, s2, s3, s5
- Encoder TVpp or TTL
- Double effect pneumatic cylinder
- Automatic tool change (A.T.C)

OPZIONALI / OPTIONS

- iM Smart Sensor
- Joint Monitoring Sensor
- Speed
- Ceramic ball bearings
- Sleeve tool cooling

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 TVpp o TTL (opz.) / Integrated TVpp or TTL encoder (opt.)
- Sensore Monitoraggio Giunto (opz.) / Joint Monitoring Sensor (opt.)

*LAYOUTS DISPONIBILI SU RICHIESTA / LAYOUTS AVAILABLE ON REQUEST

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