



ELETTROMANDRINI ATC
ATC ELECTROSPINDLE

**ADVANCED
MATERIALS**



PLASTIC



WOOD



ALLUMINIUM



HITECO
HIGH TECHNOLOGY COMPONENTS



Componenti ad **alta tecnologia** per produttori di macchine utensili.

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High-tech components for machine tool manufacturers.

Hiteco è specializzata nella progettazione e realizzazione di componenti elettromeccanici industriali ad alta tecnologia per le macchine utensili.

Elettromandri ATC, elettromandri MTC, teste birotative, teste di foratura ed aggregati.

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Hiteco is specialized in design and manufacture of high technology industrial electromechanical components for machine tools **ATC electrospindles, MTC electrospindles, birotary heads, boring units and aggregates.**



Hiteco si propone sul mercato internazionale con un'ampia gamma di prodotti per la lavorazione di: **legno, plastica, materiali avanzati, vetro, pietra e metallo.**

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Hiteco offers a wide range of products on international market for **wood, plastic, advanced materials, glass, stone and metal processing.**



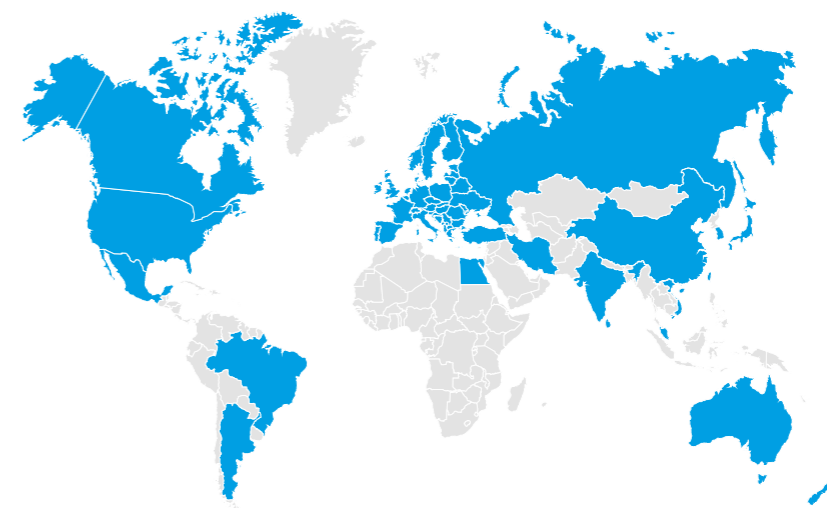
Hiteco nasce nel 1977 come divisione interna di **SCM Group**, azienda leader mondiale nella costruzione di macchine utensili per la lavorazione di una vasta gamma di materiali, realizzando un percorso di crescita esponenziale. Diventa nel 2008 un'unità di profitto per servire il mercato terzi. **Dal 1 Aprile 2023** nasce **Hiteco S.r.l.** con l'obiettivo di incrementare ulteriormente l'**attenzione** e la **focalizzazione** alle **esigenze** del cliente nella continua **ricerca** di fornire i migliori prodotti e servizi. Oggi realizza prodotti di riferimento nel mercato dei componenti, diventando uno tra i più importanti player mondiali nel settore.

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Hiteco founded in 1977 as an internal division of the **SCM Group**, leading company in machine tools construction for processing a wide range of materials, had an increasingly exponential growth. In 2008 it become a profit unit for external customers. **From 1 April 2023 Hiteco S.r.l.** was born with the aim of further **increase the attention** and **focus** on customer **needs** and in the continuous **search** to provide the best products and services. Today Hiteco offers key products for the components market, becoming one of the most important world players in the sector.



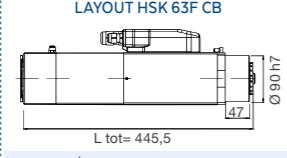
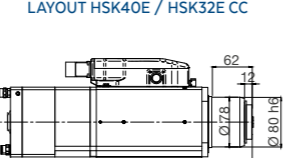
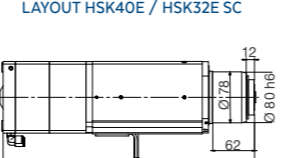

Una **presenza worldwide** per un **servizio best-in-class.**

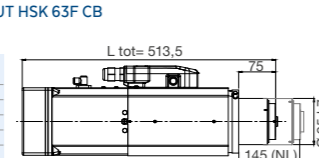
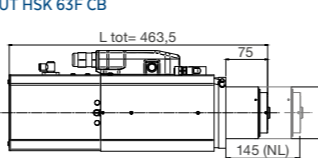

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A worldwide presence for **best-in-class service.**

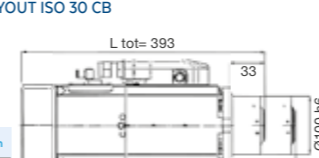
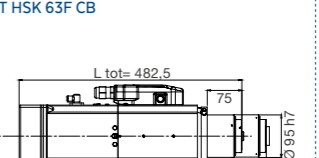
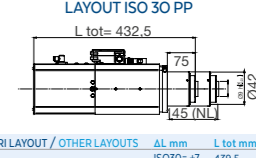



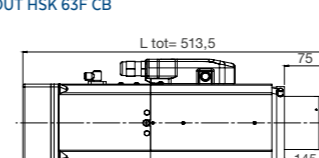
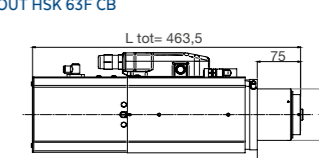

La distribuzione capillare dell'azienda risponde alla volontà di Hiteco di essere vicina al cliente con la presenza sul territorio di **tecnici specializzati** che sono garanzia di una risposta estremamente rapida e professionale: non solo per ridurre fermi macchina e problemi alla produzione, ma anche per creare valore aggiunto con la proposta di soluzioni efficaci ed innovative. Questa attenzione, oltre ai ridotti tempi di consegna, è uno dei motivi che ha portato Hiteco ad avere la più alta **customer satisfaction** nel mercato internazionale.

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The widespread distribution of the company responds to the desire of Hiteco to be close to the customer with the presence of **specialized technicians** on the territory who guarantee an extremely rapid and professional response: not only to reduce machine downtimes and production problems, but also to create added value with the proposal of effective and innovative solutions. Such care, in addition to reduced delivery times, is one of the reason that led Hiteco to have the highest **customer satisfaction** on the international market.

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	POWERTECH 210		POWERTECH 260			
	QD-1F 4/12 24	QD-2 6.5/12 36 *	QD-2 6.5/12 40 **	QD-2 8/12 36 *	QD-2 8/12 40 **	
Potenza (S1-S6) / Power (S1-S6)	4/4.5 kW	6.5/8 kW	6.5/8 kW	8/9 kW	8/9 kW	
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	9/10.7 A	20.5/23 A	20.5/23 A	24/26 A	24/26 A	
Tensione / Voltage	380 V	380 V ★	380 V ★	380 V ★★	380 V ★★	
Coppia (S1-S6) / Torque (S1-S6)	3.2/3.6 Nm	5.2/6.4 Nm	5.2/6.4 Nm	6.4/7.2 Nm	6.4/7.2 Nm	
Tipologia elettromotore / Type of electrospindle	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 poles w/inverter	Asynchronous 4 poles w/inverter	
Velocità nominale / Rated speed	12.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm	
Velocità massima / Max speed	24.000 rpm	36.000 rpm	40.000 rpm	36.000 rpm	40.000 rpm	
Attacco utensile / Tool holder	ISO 30	HSK 40E	HSK 32E	HSK 40E	HSK 32E	
Raffreddamento / Cooling	Electrofan	Liquid	Liquid	Liquid	Liquid	
Cambio utensile / Type of tool changer	Automatic	Automatic	Automatic	Automatic	Automatic	
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	
Peso / Weight	16 Kg	17 Kg	17 Kg	17 Kg	17 Kg	
LAYOUT	LAYOUT HSK 63F CB  L tot=445,5	LAYOUT HSK40E / HSK32E CC  L tot=375	LAYOUT HSK40E / HSK32E SC  L tot=375			
PRESTAZIONI / PERFORMANCES						
EQUIPAGGIAMENTO / EQUIPMENT	<ul style="list-style-type: none"> ISO 30 Double effect pneumatic cylinder Taper cleaning Labyrinth with air seal Sensors s1, s2, s3 Ceramic ball bearings 		<ul style="list-style-type: none"> *HSK 32E Circular connector spindle side Taper cleaning ESD Electric static discharge Ceramic ball bearings HSK 40E Labyrinth with air seal Double effect pneumatic cylinder Sensors s1,s2,s3,s5 			
OPZIONALI / OPTIONS	<ul style="list-style-type: none"> Circular connector CC Dual voltage 220V-380V Compressed air cooling Plug & Play connection PP HSK 63F Anti-rotation sleeves 		<ul style="list-style-type: none"> Encoder Quick connection PP Temperature sensor Anti-rotation sleeves Temperature, vibration and speed monitoring Dual voltage 220V-380V ** Dual voltage 220V-380V IM Temperature, vibration and speed monitoring 			

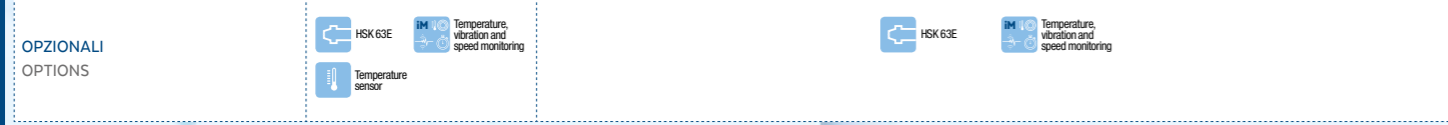
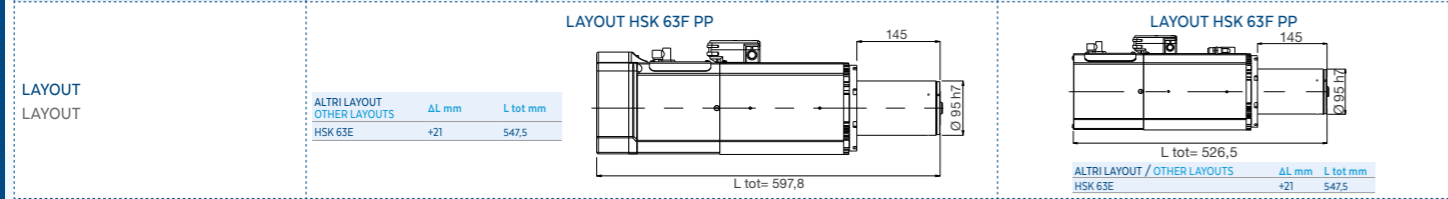
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	POWERTECH 400 SPEED			
	QE-1F 10/11 24	QE-1F 12/12 24	QE-2 13/12 24	QE-2 16/12 24
Potenza (S1-S6) / Power (S1-S6)	10/12 kW	12/14 kW	13/15 kW	16/19.5 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	25/27 A	23/27 A	28/31 A	31/36 A
Tensione / Voltage	380 V	380 V	380 V	380 V
Coppia (S1-S6) / Torque (S1-S6)	10.8/11.5 Nm	10.9/11.6 Nm	10.3/11.9 Nm	12.7/15.5 Nm
Tipologia elettromotore / Type of electrospindle	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter
Velocità nominale / Rated speed	11.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm
Velocità massima / Max speed	24.000 rpm	24.000 rpm	24.000 rpm	24.000 rpm
Attacco utensile / Tool holder	HSK 63F	HSK 63F	HSK 63F	HSK 63F
Raffreddamento / Cooling	Electrofan	Electrofan	Liquid	Liquid
Cambio utensile / Type of tool changer	Automatic	Automatic	Automatic	Automatic
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication
Peso / Weight	23 Kg	23 Kg	23 Kg	23 Kg
LAYOUT	LAYOUT HSK 63F CB  L tot= 513,5	LAYOUT HSK 63F CB  L tot= 463,5		
PRESTAZIONI / PERFORMANCES				
EQUIPAGGIAMENTO / EQUIPMENT	<ul style="list-style-type: none"> HSK 63F Labyrinth with air seal Double effect pneumatic cylinder Ceramic ball bearings Sensors s1, s2, s3, s5 Taper cleaning 			
OPZIONALI / OPTIONS	<ul style="list-style-type: none"> Encoder ISO 30 Dual voltage 220V-380V Temperature, vibration and speed monitoring Long nose (L=145 mm) Plug & Play connection PP Quick connection PP Compressed air cooling Air tool for HSK 63F Anti-rotation sleeves Voltage 220V C-Axis available C-Axis available Compressed air cooling Air tool for HSK 63F 			

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	POWERTECH 300 COMPACT			POWERTECH 300	
	QE-1F 4/12 24	QE-1F 5.5/12 24	QE-1F 6.6/12 24	QE-1F 8/12 24	QE-2 9.5/12 24 LIQUID
Potenza (S1-S6) / Power (S1-S6)	4/5 kW	5.5/6.5 kW	6.6/7.5 kW	8/9.5 kW	9.8/11 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	8.5/10 A	11/13 A	14.5/16 A	18.5/20.5 A	20.5/23 A
Tensione / Voltage	380 V	380 V	380 V	380 V	380 V
Coppia (S1-S6) / Torque (S1-S6)	3.2/4 Nm	4.3/5.2 Nm	5.3/5.9 Nm	6.4/7.6 Nm	7.6/8.8 Nm
Tipologia elettromotore / Type of electrospindle	Asynchronous 2 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter
Velocità nominale / Rated speed	12.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm
Velocità massima / Max speed	24.000 rpm	24.000 rpm	24.000 rpm	24.000 rpm	24.000 rpm
Attacco utensile / Tool holder	ISO 30	ISO 30	HSK 63F	HSK 63F	ISO 30
Raffreddamento / Cooling	Electrofan	Electrofan	Electrofan	Electrofan	Liquid
Cambio utensile / Type of tool changer	Automatic	Automatic	Automatic	Automatic	Automatic
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication
Peso / Weight	19 Kg	19 Kg	21 Kg	23 Kg	21 Kg
LAYOUT	LAYOUT ISO 30 CB  L tot= 393	LAYOUT HSK 63F CB  L tot= 482,5		LAYOUT ISO 30 PP  L tot= 432,5	
PRESTAZIONI / PERFORMANCES					
EQUIPAGGIAMENTO / EQUIPMENT	<ul style="list-style-type: none"> ISO 30 Single effect pneumatic cylinder Taper cleaning Labyrinth with air seal Sensors s1, s2, s3, s5 Ceramic ball bearings 		<ul style="list-style-type: none"> HSK 63F Labyrinth with air seal Double effect pneumatic cylinder Ceramic ball bearings Sensors s1, s2, s3, s5 		
OPZIONALI / OPTIONS	<ul style="list-style-type: none"> Encoder Circular connector CC Compressed air cooling Long nose (L=73 mm) Temperature, vibration and speed monitoring 		<ul style="list-style-type: none"> Encoder ISO 30 Anti-rotation sleeves Long nose (L=145 mm) Air tool for HSK 63F Temperature, vibration and speed monitoring Dual voltage 220V-380V C-Axis available BT 30 Compressed air cooling Quick connection PP * Solo per versione a liquido * Only for liquid version 		

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	POWERTECH 400 TORQUE			
	QE-1F 5.5/6 20	QE-1F 8.5/6 24	QE-2 9/6 24	QE-2 11/6 24
Potenza (S1-S6) / Power (S1-S6)	5.5/6.6 kW	8.5/10.5 kW	9/10.5 kW	11/13 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	12/13 A	20/25 A	13.5/14.5 A	14.5/16 A
Tensione / Voltage	380 V	380 V	380 V	380 V
Coppia (S1-S6) / Torque (S1-S6)	8.8/10.5 Nm	13.5/16.7 Nm	14.3/16.7 Nm	17.5/20.7 Nm
Tipologia elettromotore / Type of electrospindle	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter
Velocità nominale / Rated speed	6.000 rpm	6.000 rpm	6.000 rpm	6.000 rpm
Velocità massima / Max speed	20.000 rpm	24.000 rpm	24.000 rpm	24.000 rpm
Attacco utensile / Tool holder	HSK 63F	HSK 63F	HSK 63F	HSK 63F
Raffreddamento / Cooling	Electrofan	Electrofan	Liquid	Liquid
Cambio utensile / Type of tool changer	Automatic	Automatic	Automatic	Automatic
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication
Peso / Weight	23 Kg	23 Kg	21 Kg	21 Kg
LAYOUT	LAYOUT HSK 63F CB  L tot= 513,5	LAYOUT HSK 63F CB  L tot= 463,5		
PRESTAZIONI / PERFORMANCES				
EQUIPAGGIAMENTO / EQUIPMENT	<ul style="list-style-type: none"> HSK 63F Labyrinth with air seal Double effect pneumatic cylinder Ceramic ball bearings Sensors s1, s2, s3, s5 Taper cleaning 			
OPZIONALI / OPTIONS	<ul style="list-style-type: none"> Encoder Air tool for HSK 63F Temperature, vibration and speed monitoring C-Axis available Anti-rotation sleeves Circular connector CC Long nose ISO 30 Quick connection PP Compressed air cooling * Non valido per 8.5 kW e per versioni liquido * Not valid for 8.5 kW and for liquid cooled spindles 			

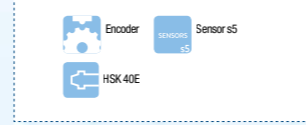
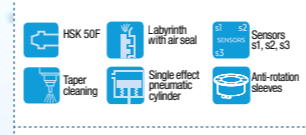
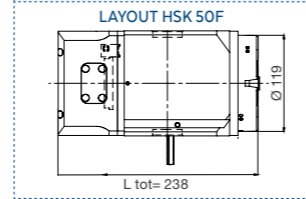
POWERTECH 500

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	QF-1F 13/7 18	QF-1F 8/9 18	QF-1F 11/12 20	QF-2 12/6 18	QF-2 18/12 20
Potenza (S1-S6) / Power (S1-S6)	13.3/16 kW	8/10 kW	11/13.5 kW	12/15 kW	18/21 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	20.5/23 A	20/24 A	28/32 A	28/35 A	36/41 A
Tensione / Voltage	380 V	380 V	380 V	380 V	380 V
Coppia (S1-S6) / Torque (S1-S6)	16.9/20.4 Nm	11.9/14.6 Nm	8.8/10.7 Nm	19.1/23.9 Nm	14.3/16.7 Nm
Tipologia elettromotore / Type of electrospindle	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter	Asynchronous 4 poles w/inverter
Velocità nominale / Rated speed	7.000 rpm	9.000 rpm	12.000 rpm	6.000 rpm	12.000 rpm
Velocità massima / Max speed	18.000 rpm	18.000 rpm	20.000 rpm	18.000 rpm	20.000 rpm
Attacco utensile / Tool holder	HSK 63F	HSK 63F	HSK 63F	HSK 63F	HSK 63F
Raffreddamento / Cooling	Electrofan	Electrofan	Electrofan	Liquid	Liquid
Cambio utensile / Type of tool changer	Automatic	Automatic	Automatic	Automatic	Automatic
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication
Peso / Weight	35 Kg	35 Kg	35 Kg	35 Kg	35 Kg



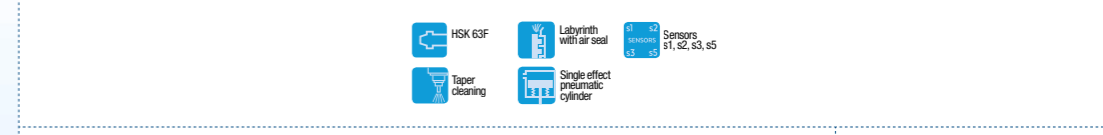
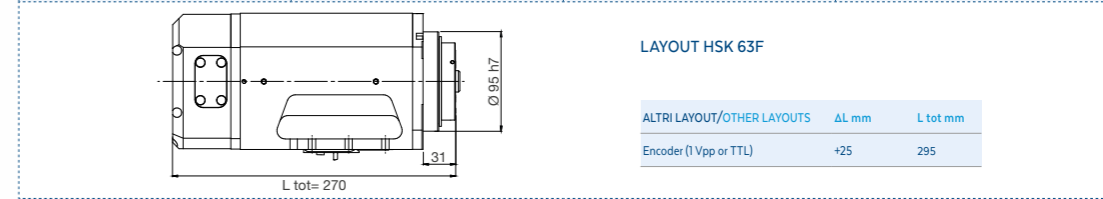
ROBOTECH HD

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	HD-2 5.6/18 20
Potenza (S1-S6) / Power (S1-S6)	5.6/7 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	12/14 A
Tensione / Voltage	380 V
Coppia (S1-S6) / Torque (S1-S6)	3/3.7 Nm
Tipologia elettromotore / Type of electrospindle	Asynchronous 4 poles
Velocità nominale / Rated speed	18.000 rpm
Velocità massima / Max speed	20.000 rpm
Attacco utensile / Tool holder	HSK 50F/40E
Raffreddamento / Cooling	Liquid
Cambio utensile / Type of tool changer	Automatic
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication
Peso / Weight	18 Kg



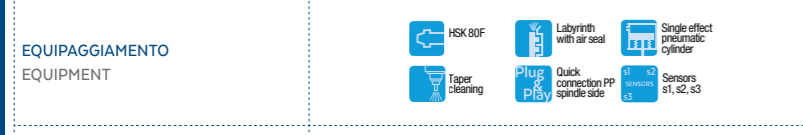
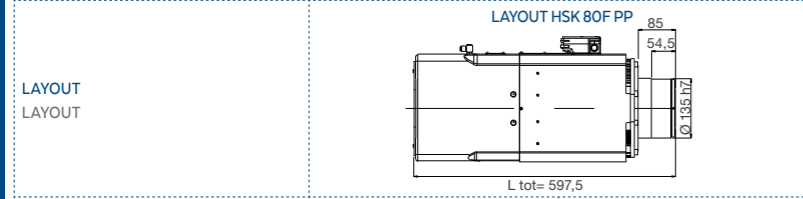
ROBOTECH QX

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	QX-1C 5/12 21	QX-2 11/12 24	QX-2 8.5/12 24	QX-2 11/10 24 63F NC
Potenza (S1-S6) / Power (S1-S6)	5/7 kW	11/13.5 kW	8.5/10 kW	11/12 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	11/13.5 A	24.5/29.5 A	20/22 A	29/31 A
Tensione / Voltage	380 V	380 V	380 V	380 V
Coppia (S1-S6) / Torque (S1-S6)	4/5.6 Nm	8.8/10.7 Nm	6.8/8 Nm	10.5/11.7 Nm
Tipologia elettromotore / Type of electrospindle	Asynchronous 4 poles w/inverter	Asynchronous 4 poles w/inverter	Asynchronous 4 poles w/inverter	Asynchronous 6 poles w/inverter
Velocità nominale / Rated speed	12.000 rpm	12.000 rpm	12.000 rpm	10.000 rpm
Velocità massima / Max speed	21.000 rpm	24.000 rpm	24.000 rpm	24.000 rpm
Attacco utensile / Tool holder	HSK 63F	HSK 63F	HSK 63F	HSK 63F
Raffreddamento / Cooling	Compressed air	Liquid	Liquid	Liquid
Cambio utensile / Type of tool changer	Automatic	Automatic	Automatic	Automatic
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication
Peso / Weight	19 Kg	19 Kg	19 Kg	19 Kg



POWERTECH 600

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	QM-1F 11/6 10	QM-1F 18/6 12
Potenza (S1-S6) / Power (S1-S6)	11/13 kW	18/21 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	25/33 A	37/42 A
Tensione / Voltage	380 V	380 V
Coppia (S1-S6) / Torque (S1-S6)	19.1/24.6 Nm	30/33.6 Nm
Tipologia elettromotore / Type of electrospindle	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter
Velocità nominale / Rated speed	6.000 rpm	6.000 rpm
Velocità massima / Max speed	10.000 rpm	12.000 rpm
Attacco utensile / Tool holder	HSK 80F	HSK 80F
Raffreddamento / Cooling	Electrofan	Electrofan
Cambio utensile / Type of tool changer	Automatic	Automatic
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication
Peso / Weight	70 Kg	70 Kg



POWERTECH 210



POWERTECH 600



POWERTECH 260



POWERTECH 400



POWERTECH 300 COMPACT



POWERTECH 500

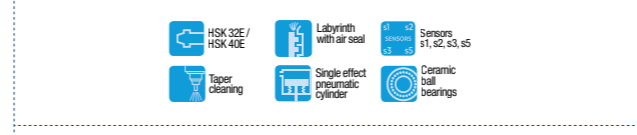
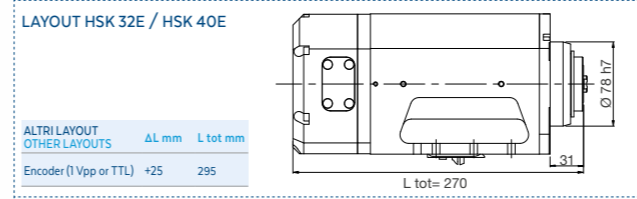


POWERTECH 300



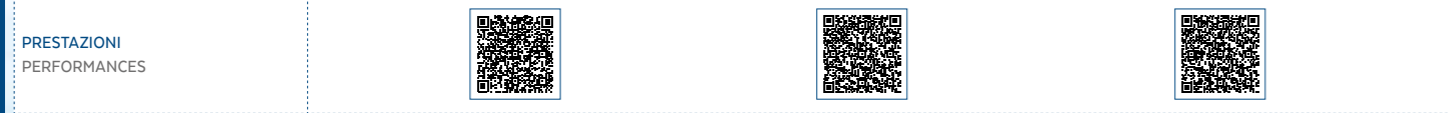
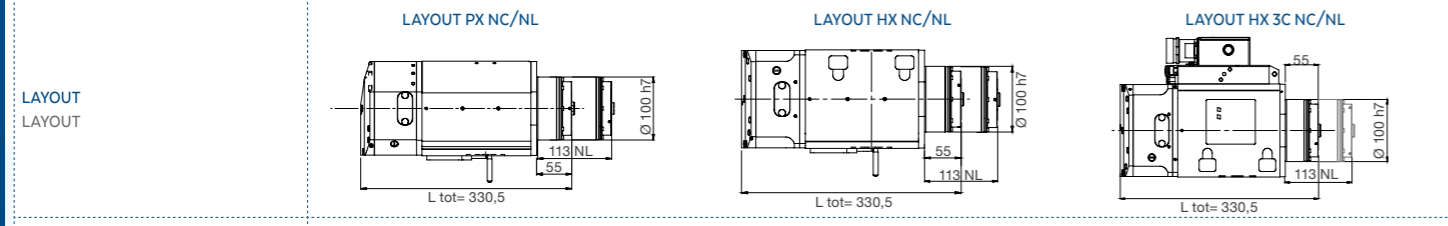
ROBOTECH QX HIGH SPEED

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	QX-2 8/15 36	QX-2 8/15 40
Potenza (S1-S6) / Power (S1-S6)	8/9 kW	8/9 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	23/25 A	23/25 A
Tensione / Voltage	380 V	380 V
Coppia (S1-S6) / Torque (S1-S6)	5.2/6 Nm	5.2/6 Nm
Tipologia elettromotore / Type of electrospindle	Asynchronous 4 Poles w/inverter	Asynchronous 4 Poles w/inverter
Velocità nominale / Rated speed	15.000 rpm	15.000 rpm
Velocità massima / Max speed	36.000 rpm	40.000 rpm
Attacco utensile / Tool holder	HSK 40E	HSK 32E
Raffreddamento / Cooling	Liquid	Liquid
Cambio utensile / Type of tool changer	Automatic	Automatic
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication
Peso / Weight	18 Kg	18 Kg



PX/HX/HX 3C

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	10/7 24	12/12 24	13/7 24	15/12 24
Potenza (S1-S6) / Power (S1-S6)	10/12 kW	12/14 kW	13/16 kW	15/17 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	21/25 A	26/29 A	35/39 A	30/33 A
Tensione / Voltage	380 V	380 V	380 V	380 V
Coppia (S1-S6) / Torque (S1-S6)	13.6/16.4 Nm	9.5/11 Nm	17/19 Nm	11.9/13.8 Nm
Tipologia elettromandrino / Type of electrospindle	Asynchronous 4 poles	Asynchronous 4 poles	Asynchronous 6 Poles	Asynchronous 4 Poles
Velocità nominale / Rated speed	7.000 rpm	12.000 rpm	7.000 rpm	12.000 rpm
Velocità massima / Max speed	24.000 rpm	24.000 rpm	24.000 rpm	24.000 rpm
Attacco utensile / Tool holder	HSK 63F	HSK 63F	HSK 63F	HSK 63F
Raffreddamento / Cooling	Liquid	Liquid	Liquid	Liquid
Cambio utensile / Type of tool changer	Automatic	Automatic	Automatic	Automatic
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication
Peso / Weight	25 Kg	25 Kg	25 Kg	25 Kg



EQUIPAGGIAMENTO EQUIPMENT

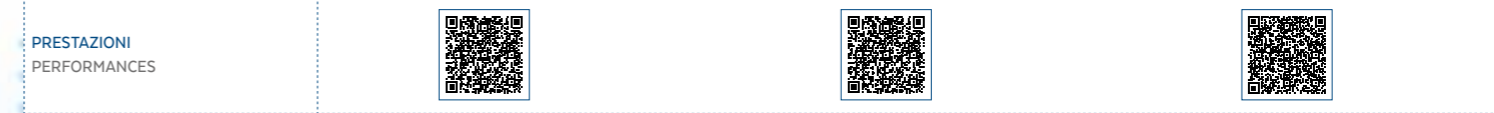
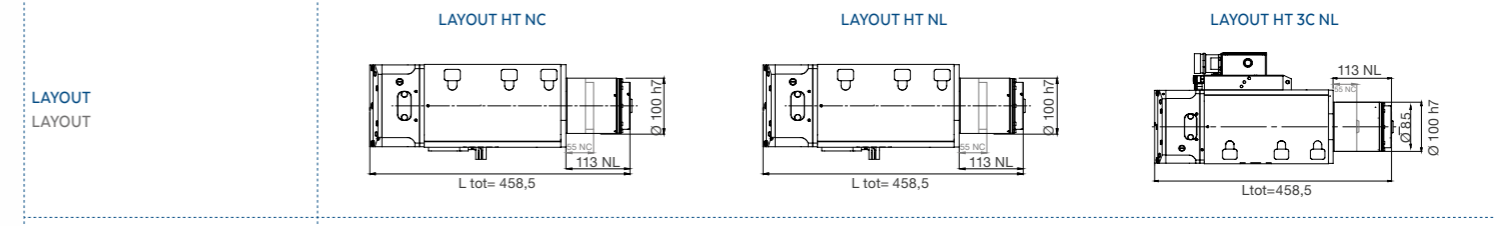
- HSK 63F
- Labyrinth with air seal
- Sensors s1, s2, s3, s5
- ESD Electric static discharge
- Taper cleaning
- Single effect pneumatic cylinder
- Circular connector cc spindle side (only for 3c version)
- Ceramic ball bearings

OPZIONALI OPTIONS

- Encoder
- Long nose (L=113 mm)
- Circular connector cc machine side
- HSK 63E/63A
- IM Temperature, vibration and speed monitoring
- Air tool
- Anti-rotation sleeves
- Oil mist/MQL
- HSK PLUS

PT/HT/HT 3C

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	18/6 18 NC	18/6 24 NL	25/10 18 NC	25/10 24 NL
Potenza (S1-S6) / Power (S1-S6)	18/21,5 kW	18/21,5 kW	25/30 kW	25/30 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	53/63 A	53/63 A	53/60 A	53/63 A
Tensione / Voltage	380 V	380 V	380 V	380 V
Coppia (S1-S6) / Torque (S1-S6)	30/34 Nm	30/34 Nm	24.2/26.6 Nm	23.9/28.7 Nm
Tipologia elettromandrino / Type of electrospindle	Asynchronous 6 poles	Asynchronous 6 Poles	Asynchronous 4 Poles	Asynchronous 4 Poles
Velocità nominale / Rated speed	6.000 rpm	6.000 rpm	10.000 rpm	10.000 rpm
Velocità massima / Max speed	18.000 rpm	24.000 rpm	18.000 rpm	24.000 rpm
Attacco utensile / Tool holder	HSK 63F+	HSK 63F+	HSK 63F+	HSK 63F+
Raffreddamento / Cooling	Liquid	Liquid	Liquid	Liquid
Cambio utensile / Type of tool changer	Automatic	Automatic	Automatic	Automatic
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication
Peso / Weight	44 Kg	42 Kg	44 Kg	42 Kg



EQUIPAGGIAMENTO EQUIPMENT

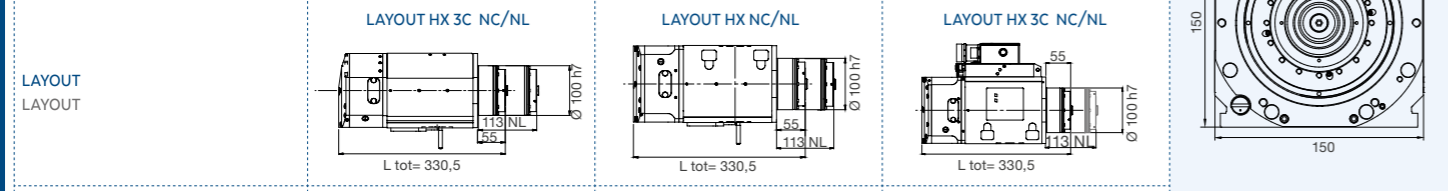
- HSK 63F PLUS
- Labyrinth with air seal
- Sensors s1, s2, s3, s5
- Short/long nose
- ESD Electric static discharge
- Taper cleaning
- Single effect pneumatic cylinder
- Circular connector cc spindle side (only for 3c version)
- Ceramic ball bearings

OPZIONALI OPTIONS

- Encoder
- Anti-rotation sleeves
- HSK 63E PLUS HSK 63A PLUS
- IM Temperature, vibration and speed monitoring
- Air tool
- Oil mist/MQL
- CTS lubrication

PX/HX/HX 3C

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	18/12 24	20/10 24 (SYNCHRONOUS)	24/10 24 (SYNCHRONOUS)	VISTA FRONTALE ELETTRMANDRINO ELECTROSPINDLE FRONT VIEW
Potenza (S1-S6) / Power (S1-S6)	18/20 kW	20/22.3 kW	24/30 kW	
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	35/38.5 A	48/50A	56/70 A	
Tensione / Voltage	380 V	380 V	400 V	
Coppia (S1-S6) / Torque (S1-S6)	14.3/15.9 Nm	17.8/20.1 Nm	23.4/29 Nm	
Tipologia elettromandrino / Type of electrospindle	Asynchronous 4 poles	Synchronous 4 Poles	Synchronous 6 Poles	
Velocità nominale / Rated speed	12.000 rpm	10.000 rpm	10.000 rpm	
Velocità massima / Max speed	24.000 rpm	24.000 rpm	24.000 rpm	
Attacco utensile / Tool holder	HSK 63F	HSK 63F	HSK 63F	
Raffreddamento / Cooling	Liquid	Liquid	Liquid	
Cambio utensile / Type of tool changer	Automatic	Automatic	Automatic	
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	
Peso / Weight	25 Kg	25 Kg	26 Kg	



EQUIPAGGIAMENTO EQUIPMENT

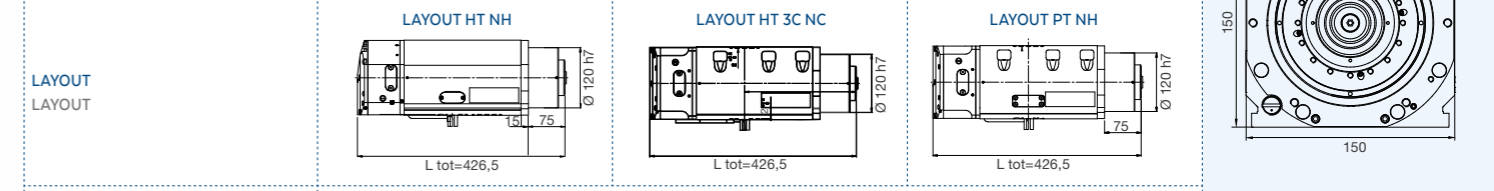
- HSK 63F
- Labyrinth with air seal
- Sensors s1, s2, s3, s5
- ESD Electric static discharge
- Taper cleaning
- Single effect pneumatic cylinder
- Circular connector cc spindle side (only for 3c version)
- Ceramic ball bearings

OPZIONALI OPTIONS

- Encoder
- Long nose (L=113 mm)
- Circular connector cc machine side
- HSK 63E/63A
- IM Temperature, vibration and speed monitoring
- Air tool
- Anti-rotation sleeves
- Oil mist/MQL
- HSK PLUS

PT/HT/HT 3C HEAVY NOSE

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	18/6 18 NH	25/10 18 NH	25/4 16 NH	VISTA FRONTALE ELETTRMANDRINO ELECTROSPINDLE FRONT VIEW
Potenza (S1-S6) / Power (S1-S6)	18/21,5 kW	25/30 kW	25/30 kW	
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	53/63 A	53/60 A	54/74 A	
Tensione / Voltage	380 V	380 V	380 V	
Coppia (S1-S6) / Torque (S1-S6)	30/34 Nm	24.2/26.6 Nm	56.6/70.7 Nm	
Tipologia elettromandrino / Type of electrospindle	Asynchronous 6 poles	Asynchronous 4 Poles	Synchronous 8 Poles	
Velocità nominale / Rated speed	6.000 rpm	10.000 rpm	4.000 rpm	
Velocità massima / Max speed	18.000 rpm	18.000 rpm	16.000 rpm	
Attacco utensile / Tool holder	HSK 63F+	HSK 63F+	HSK63F+	
Raffreddamento / Cooling	Liquid	Liquid	Liquid	
Cambio utensile / Type of tool changer	Automatic	Automatic	Automatic	
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease long life	
Peso / Weight	44 Kg	44 Kg	44 Kg	



EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F PLUS
- Labyrinth with air seal
- Sensors s1, s2, s3, s5
- Heavy nose (NH)
- Taper cleaning
- Single effect pneumatic cylinder
- Circular connector cc spindle side (only for 3c version)
- ESD Electric static discharge

OPZIONALI OPTIONS

- Encoder
- Anti-rotation sleeves
- HSK 63E PLUS HSK 63A PLUS
- IM Temperature, vibration and speed monitoring
- Air tool
- Oil mist/MQL
- CTS lubrication

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	ROBOTECH QM	ROBOTECH QM 3C
	QM-2 30/6 13	QM-2 30/6 13
Potenza (S1-S6) / Power (S1-S6)	30/35 kW	30/35 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	59/65 A	59/65 A
Tensione / Voltage	380 V	380 V
Coppia (S1-S6) / Torque (S1-S6)	47.7/55.7 Nm	47.7/55.7 Nm
Tipologia elettromandrino / Type of electrospindle	Asynchronous 4 poles w/inverter	Asynchronous 4 poles w/inverter
Velocità nominale / Rated speed	6.000 rpm	6.000 rpm
Velocità massima / Max speed	13.000 rpm	13.000 rpm
Attacco utensile / Tool holder	HSK 63A	HSK 63A
Raffreddamento / Cooling	Liquid	Liquid
Cambio utensile / Type of tool changer	Automatic	Automatic
Lubrificazione cuscinetti / Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication
Peso / Weight	75 Kg	75 Kg
LAYOUT	LAYOUT HSK 63A 	LAYOUT HSK 63A 3C
PRESTAZIONI PERFORMANCES		
EQUIPAGGIAMENTO EQUIPMENT	Encoder HSK 63A	Taper cleaning Labyrinth with air seal Single effect pneumatic cylinder Sensors s1, s2, s3
OPZIONALI OPTIONS	Air tool HSK 80F	Oil mist/ MQL Sensor s5 Temperature vibration and speed monitoring

ROBOTECH HD



ROBOTECH QX



ROBOTECH QX HS



ROBOTECH PX



ROBOTECH HX



ROBOTECH HX 3C



ROBOTECH PT



ROBOTECH HT



ROBOTECH HT NH



ROBOTECH HT 3C



ROBOTECH QM



ROBOTECH QM 3C



IDENTIFICAZIONE ELETTRICITÀ / ELECTROSPINDLE IDENTIFICATION KEY

Example **QE 1F 10/TI 24 63F NC CB EN BT OQ IM**

MODELLO (DIMENSIONE CARCASSA) / MODEL (HOUSING DIMENSION)

QD	102 X 119,5 mm
	110 X 111 mm
QE	130 X 140 mm
QF	150 X 160 mm
QM	215 X 245 mm, 230x230 mm
QX	130 X 130 mm
PX	150 X 150 mm
HX	150 X 150 mm
PT	150 X 150 mm
HT	150 X 150 mm
HD	130 X 130 mm

RAFFREDDAMENTO / COOLING TYPE

1F= ELETTOVENTOLA / ELECTROFAN	
1C= ARIA COMPRESA / COMPRESSED AIR	
2= LIQUIDO / LIQUID	
1= 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

63F = HSK63F
63F+ = HSK63F PLUS
32E = HSK32E
40E = HSK40E
63E = HSK63E
63E+ = HSK63E PLUS
50F = HSK50F
63A = HSK63A
63A+ = HSK63A PLUS
I30 = ISO30

NASO MANDRINO / SPINDLE NOSE

NC = NASO CORTO / SHORT NOSE
NL = NASO LUNGO / LONG NOSE
NH = HEAVY NOSE

CONNESSIONE ELETTRICA / ELECTRIC CONNECTION

CB = CONNESSIONE BASE / BASIC CONNECTION
CC = CONNESSIONE CIRCOLARE / CIRCULAR CONNECTION
PP = CONNESSIONE RAPIDA / PLUG AND PLAY CONNECTION

ENCODER

ES = ENCODER 1 VPP (SYNUSOIDAL WAVE)
EN = ENCODER TTL (SQUARE WAVE)

VOLTAGGIO / VOLTAGE

BT = BITENSIONE / DUAL VOLTAGE 220V/380V
220 V

OPTIONAL

OQ = OIL MIST + MQL (Minimal Quantity Lubrication)
AT = AIR TOOL
OM = OIL MIST
CTS = LUBRIFICAZIONE CTS / COOLANT THROUGH THE SHAFT

ALTRE VARIANTI / OTHER VARIANTS

SENSORE DI VIBRAZIONE / VIBRATION SENSOR		
MONITORAGGIO TEMPERATURA CUSCINETTI / BEARING TEMPERATURE MONITORING		
MISURATORE DI VELOCITÀ / SPEED MONITORING		
S5 - SENSORE RITORNO PISTONE / PISTON BACK SENSOR		
SENSORE DI TEMPERATURA / TEMPERATURE SENSOR		



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