

HITECO

HIGH TECHNOLOGY COMPONENTS

ELETTROMANDRINI ATC ATC ELECTROSPINDLES



ADVANCED
MATERIALS

PLASTIC

WOOD

ALLUMINIUM



Componenti **high tech** 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. **On April 1 st 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 **a 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	SPEEDTECH HS	
	HS -1F 1.7/24 24	HS -1F 1.7/24 30
Potenza (S1-S6) Power (S1-S6)	1.7/2.2 kW	1.7/2.2 kW
Assorbimento corrente (S1-S6) Current consumption (S1-S6)	4/5 A	4/5 A
Tensione Voltage	380 V	380 V
Coppia (S1-S6) Torque (S1-S6)	0.7/0.9 Nm	0.7/0.9 Nm
Tipologia elettromandrino Type of electrospindle	Asynchronous 2 Poles	Asynchronous 2 Poles
Velocità nominale Rated speed	24.000 rpm	24.000 rpm
Velocità massima Max speed	24.000 rpm	30.000 rpm
Attacco utensile Tool holder	ISO20	HSK 25E
Raffreddamento Cooling	Electrofan	Electrofan
Cambio utensile Type of tool changer	Pneumatic	Pneumatic
Lubrificazione cuscinetti Grease lubrication	Grease	Grease
Peso Weight	9 Kg	9 Kg

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	SPEEDTECH HC	
	HC-2 3.3/27 40	HC-2 3.3/27 40
Potenza (S1-S6) Power (S1-S6)	3.3/4 kW	3.3/4 kW
Assorbimento corrente (S1-S6) Current consumption (S1-S6)	8/9 A	8/9 A
Tensione Voltage	380 V	380 V
Coppia (S1-S6) Torque (S1-S6)	1.2/1.4 Nm	1.2/1.4 Nm
Tipologia elettromandrino Type of electrospindle	Asynchronous 4 Poles	Asynchronous 4 Poles
Velocità nominale Rated speed	27.000 rpm	27.000 rpm
Velocità massima Max speed	40.000 rpm	40.000 rpm
Attacco utensile Tool holder	ISO20	HSK 25E
Raffreddamento Cooling	Liquid	Liquid
Cambio utensile Type of tool changer	Pneumatic	Pneumatic
Lubrificazione cuscinetti Grease lubrication	Grease	Grease
Peso Weight	8 Kg	8 Kg

CARATTERISTICHE

	SPEEDTECH HS	
	HS -1F 1.7/24 24	HS -1F 1.7/24 30
LAYOUT		
VISTA FRONTALE ELETT. ELECTROS. FRONT VIEW		
EQUIPAGGIAMENTO EQUIPMENT		
OPZIONALI OPTIONS		

CARATTERISTICHE

	SPEEDTECH HC	
	HC-2 3.3/27 40	HC-2 3.3/27 40
LAYOUT		
VISTA FRONTALE ELETT. ELECTROS. FRONT VIEW		
EQUIPAGGIAMENTO EQUIPMENT		
OPZIONALI OPTIONS		



	POWERTECH 210	POWERTECH 260			
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	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				
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 elettromandrino Type of electrospindle	Asynchronous 4 Poles				
Velocità nominale Rated speed	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

CARATTERISTICHE

	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
LAYOUT	LAYOUT HSK 63F CB L tot= 445,5 ALTRI LAYOUT / OTHER LAYOUTS Aria compressa / Compressed air	LAYOUT HSK40E / HSK32E CC L tot=375	LAYOUT HSK40E / HSK32E SC L tot=375		
VISTA FRONTALE ELETR. ELECTROS. FRONT VIEW					
EQUIPAGGIAMENTO EQUIPMENT	ISO 30, Double effect pneumatic cylinder, Taper cleaning, Labyrinth with air seal, Sensors s1, s2, s3, Ceramic ball bearings	Circular connector spindle side, Taper cleaning, Ceramic ball bearings, Sensors s1, s2, s3, s5, Labyrinth with air seal, Double effect pneumatic cylinder			
OPZIONALI OPTIONS	Circular connector CC, Dual voltage 220V-380V, Compressed air cooling, Quick connection PP, HSK 63F, Anti-rotation sleeves	Encoder, Voltage 220V, Dual voltage 220V-380V (@16000 rpm), Temperature, vibration and speed monitoring, Quick connection PP, Temperature sensor, Anti-rotation sleeves			

	POWERTECH 300 COMPACT			POWERTECH 300	
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	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				
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 elettromandrino Type of electrospindle	Asynchronous 2 Poles	Asynchronous 4 Pole	Asynchronous 4 Poles	Asynchronous 4 Poles	Asynchronous 4 Poles
Velocità nominale Rated speed	12.000 rpm				
Velocità massima Max speed	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

CARATTERISTICHE

	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
LAYOUT	LAYOUT ISO 30 CB L tot= 393 ALTRI LAYOUT / OTHER LAYOUTS Aria compressa / Compressed air	LAYOUT HSK 63F CB L tot= 482,5 ALTRI LAYOUT / OTHER LAYOUTS Aria compressa / Compressed air Encoder (1 V pp or TTL) Doppia tensione / Dual voltage			LAYOUT ISO 30 PP L tot= 432,5 ALTRI LAYOUT / OTHER LAYOUTS Encoder (1 V pp or TTL) HSK 63F
VISTA FRONTALE ELETR. ELECTROS. FRONT VIEW					
EQUIPAGGIAMENTO EQUIPMENT	ISO 30, Single effect pneumatic cylinder, Taper cleaning, Labyrinth with air seal, Sensors s1, s2, s3, s5, Ceramic ball bearings	HSK 63F, Labyrinth with air seal, Sensors s1, s2, s3, s5, Taper cleaning, Double effect pneumatic cylinder, Ceramic ball bearings			
OPZIONALI OPTIONS	Encoder, Compressed air cooling, HSK 63F, Anti-rotation sleeves, Circular connector CC, Long nose (L=73 mm), Temperature, vibration and speed monitoring	Encoder, ISO 30, Anti-rotation sleeves, Long nose (L=145 mm), Air tool for HSK 63F, Temperature, vibration and speed monitoring, BT 30, Circular connector CC, Dual voltage 220V-380V, C-axis available, Compressed air cooling, Quick connection PP			* Solo per versione a liquido * Only for liquid version

POWERTECH 400 SPEED

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	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 elettromandrino / Type of electrospindle	Asynchronous 4 Poles	Asynchronous 4 Poles	Asynchronous 4 Poles	Asynchronous 4 Poles
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

CARATTERISTICHE

POWERTECH 400 SPEED

	QE-1F 10/11 24	QE-1F 12/12 24	QE-2 13/12 24	QE-2 16/12 24																											
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EQUIPAGGIAMENTO / EQUIPMENT	<p> HSK 63F Sensors s1, s2, s3, s5 Taper cleaning Labyrinth with air seal Double effect pneumatic cylinder Ceramic ball bearings </p>																														
OPZIONALI / OPTIONS	<p> Encoder ISO 30 Dual voltage 220V-380V Temperature, vibration and speed monitoring Long nose (L=145 mm) Quick connection PP </p> <p> Circular connector CC Anti-rotation sleeves C-axis available Compressed air cooling Air tool for HSK 63F </p> <p>* Non valido per 12 kW e 16 kW * Not valid for 12 kW and 16 kW</p>																														

POWERTECH 400 TORQUE

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	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 elettromandrino / Type of electrospindle	Asynchronous 4 Poles	Asynchronous 4 Poles	Asynchronous 4 Poles	Asynchronous 4 Poles
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

CARATTERISTICHE

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																											
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OPZIONALI / OPTIONS	<p> Encoder ISO 30 Temperature, vibration and speed monitoring Long nose Quick connection PP </p> <p> Circular connector CC Anti-rotation sleeves C-axis available Compressed air cooling Air tool for HSK 63F </p> <p>* Non valido per 8,5 kW * Not valid for 8,5 kW</p>																														



POWERTECH 500				
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	QF-1F 8/9 18	QF-1F 13/7 18	QF-2 12/6 18	QF-2 18/12 20
Potenza (S1-S6) Power (S1-S6)	8/10 kW	13.3/16 kW	12/15 kW	18/21 kW
Assorbimento corrente (S1-S6) Current consumption (S1-S6)	20/24 A	20.5/23 A	28/35 A	36/41 A
Tensione Voltage	380 V	380 V	380 V	380 V
Coppia (S1-S6) Torque (S1-S6)	11.9/14.6 Nm	16.9/20.4 Nm	19.1/23.9 Nm	14.3/16.7 Nm
Tipologia elettromandrino Type of electrospindle	Asynchronous 4 Poles	Asynchronous 4 Poles	Asynchronous 4 Poles	Asynchronous 4 poles
Velocità nominale Rated speed	9.000 rpm	7.000 rpm	6.000 rpm	12.000 rpm
Velocità massima Max speed	18.000 rpm	18.000 rpm	18.000 rpm	20.000 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	35 Kg	35 Kg	35 Kg	35 Kg

CARATTERISTICHE

POWERTECH 500				
	QF-1F 8/9 18	QF-1F 13/7 18	QF-2 12/6 18	QF-2 18/12 20
LAYOUT				
VISTA FRONTALE ELETT. / ELECTROS. FRONT VIEW				
EQUIPAGGIAMENTO / EQUIPMENT	<ul style="list-style-type: none"> HSK 63F Sensors s1, s2, s3 Taper cleaning Labyrinth with air seal Double effect pneumatic cylinder Ceramic ball bearings Circular connector CC 			
OPZIONALI / OPTIONS	<ul style="list-style-type: none"> HSK 63E Plug & Play Quick connection PP Temperature, vibration and speed monitoring 			

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 elettromandrino Type of electrospindle	Asynchronous 4 Poles	Asynchronous 4 Poles
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

CARATTERISTICHE

POWERTECH 600		
	QM-1F 11/6 10	QM-1F 18/6 12
LAYOUT		
VISTA FRONTALE ELETT. / ELECTROS. FRONT VIEW		
EQUIPAGGIAMENTO / EQUIPMENT	<ul style="list-style-type: none"> HSK 80F Sensors s1, s2, s3 Taper cleaning Labyrinth with air seal Single effect pneumatic cylinder Circular connector CC 	
OPZIONALI / OPTIONS	<ul style="list-style-type: none"> HSK 85S Plug & Play Quick connection PP Temperature, vibration and speed monitoring 	

SPEEDTECH



POWERTECH 210



POWERTECH 260



POWERTECH 300 COMPACT



POWERTECH 300



POWERTECH 400



POWERTECH 500



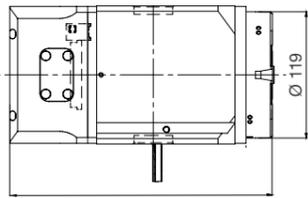
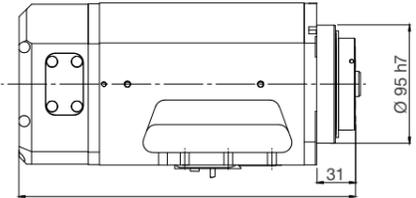
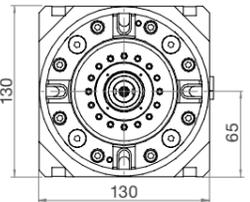
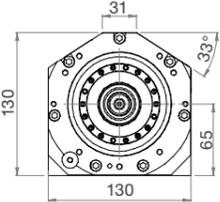
POWERTECH 600





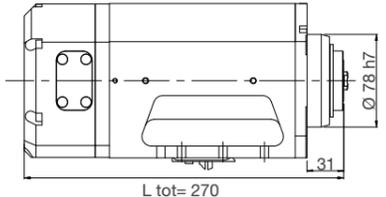
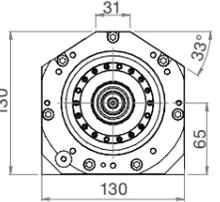
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	ROBOTECH HD		ROBOTECH QX			
	HD-2 5.6/18 20	HD-2 7/10 20	QX-1C 5/12 24	QX-2 8.5/12 24	QX-2 11/12 24	QX-2 11/10 24
Potenza (S1-S6) Power (S1-S6)	5.6/7 kW	7/9 kW	5/7 kW	8.5/10 kW	11/13.5 kW	11/12 kW
Assorbimento corrente (S1-S6) Current consumption (S1-S6)	12/14 A	22.6/31 A	11/13.5 A	20/22 A	24.5/29.5 A	29/31 A
Tensione Voltage	380 V					
Coppia (S1-S6) Torque (S1-S6)	3/3.7 Nm	6.7/8.6 Nm	4/5.6 Nm	6.8/8 Nm	8.8/10.7 Nm	10.5/11.7 Nm
Tipologia elettromandrino Type of electrospindle	Asynchronous 4 poles	Synchronous 6 poles	Asynchronous 4 poles	Asynchronous 4 poles	Asynchronous 4 poles	Asynchronous 6 poles
Velocità nominale Rated speed	18.000 rpm	10.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm	10.000 rpm
Velocità massima Max speed	20.000 rpm	20.000 rpm	24.000 rpm	24.000 rpm	24.000 rpm	24.000 rpm
Attacco utensile Tool holder	HSK 50F/40E	HSK 50F	HSK 63F	HSK 63F	HSK 63F	HSK 63F
Raffreddamento Cooling	Liquid	Liquid	Compressed air	Liquid	Liquid	Liquid
Cambio utensile Type of tool changer	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lubrificazione cuscinetti Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication	Ceramic Grease lubrication
Peso Weight	18 Kg	15Kg	19 Kg	19 Kg	19 Kg	19 Kg

CARATTERISTICHE

	ROBOTECH HD		ROBOTECH QX															
	HD-2 5.6/18 20	HD-2 7/10 20	QX-1C 5/12 21	QX-2 8.5/12 24	QX-2 11/12 24	QX-2 11/10 24												
LAYOUT	 <p>L tot= 238</p> <table border="1"> <tr> <th>ALTRI LAYOUT / OTHER LAYOUTS</th> <th>ΔL mm</th> <th>L tot mm</th> </tr> <tr> <td>Encoder (1 Vpp or TTL)</td> <td>+30</td> <td>268</td> </tr> </table>		ALTRI LAYOUT / OTHER LAYOUTS	ΔL mm	L tot mm	Encoder (1 Vpp or TTL)	+30	268	 <p>L tot= 270</p> <table border="1"> <tr> <th>ALTRI LAYOUT / OTHER LAYOUTS</th> <th>ΔL mm</th> <th>L tot mm</th> </tr> <tr> <td>Encoder (1 Vpp or TTL)</td> <td>+25</td> <td>295</td> </tr> </table>				ALTRI LAYOUT / OTHER LAYOUTS	ΔL mm	L tot mm	Encoder (1 Vpp or TTL)	+25	295
ALTRI LAYOUT / OTHER LAYOUTS	ΔL mm	L tot mm																
Encoder (1 Vpp or TTL)	+30	268																
ALTRI LAYOUT / OTHER LAYOUTS	ΔL mm	L tot mm																
Encoder (1 Vpp or TTL)	+25	295																
VISTA FRONTALE ELETTRO. FRONT VIEW																		
EQUIPAGGIAMENTO EQUIPMENT	HSK 50F Sensors s1, s2, s3, s5 Taper cleaning Labyrinth with air seal Single effect pneumatic cylinder Anti-rotation sleeves		HSK 63F Sensors s1, s2, s3, s5 Taper cleaning Single effect pneumatic cylinder Labyrinth with air seal															
OPZIONALI OPTIONS	Encoder HSK 40E		Encoder Anti-rotation sleeves Temperature, vibration and speed monitoring		Encoder Anti-rotation sleeves Temperature, vibration and speed monitoring													

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	ROBOTECH QX HIGH SPEED	
	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 elettromandrino Type of electrospindle	Asynchronous 4 Poles	Asynchronous 4 Poles
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

CARATTERISTICHE

	ROBOTECH QX HIGH SPEED							
	QX-2 8/15 36	QX-2 8/15 40						
LAYOUT	 <p>L tot= 270</p> <table border="1"> <tr> <th>ALTRI LAYOUT / OTHER LAYOUTS</th> <th>ΔL mm</th> <th>L tot mm</th> </tr> <tr> <td>Encoder (1 Vpp or TTL)</td> <td>+25</td> <td>295</td> </tr> </table>		ALTRI LAYOUT / OTHER LAYOUTS	ΔL mm	L tot mm	Encoder (1 Vpp or TTL)	+25	295
ALTRI LAYOUT / OTHER LAYOUTS	ΔL mm	L tot mm						
Encoder (1 Vpp or TTL)	+25	295						
VISTA FRONTALE ELETTRO. FRONT VIEW								
EQUIPAGGIAMENTO EQUIPMENT	HSK 32E / HSK 40E Labyrinth with air seal Sensors s1, s2, s3, s5 Taper cleaning Single effect pneumatic cylinder Ceramic ball bearings							
OPZIONALI OPTIONS	Encoder Anti-rotation sleeves Temperature, vibration and speed monitoring							

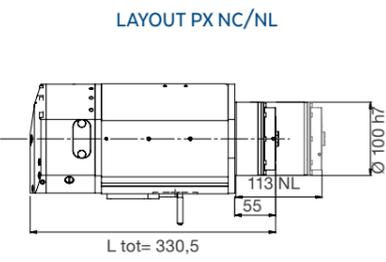
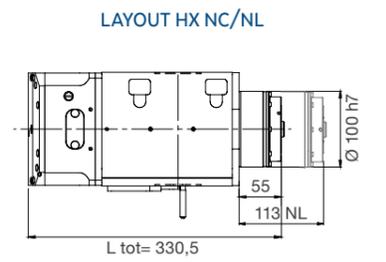
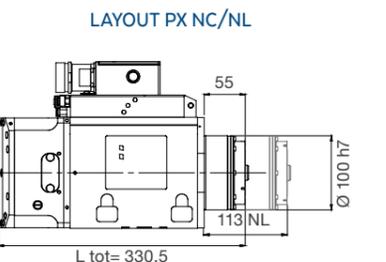
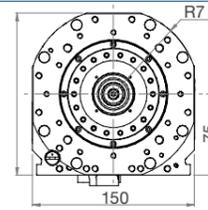
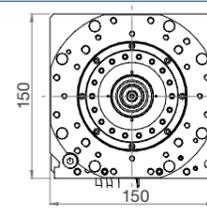
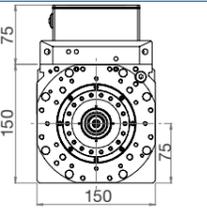


ROBOTECH PX/HX/HX 3C

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

CARATTERISTICHE

ROBOTECH PX/HX/HX 3C

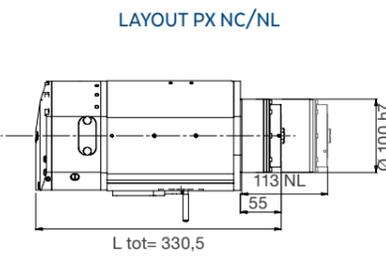
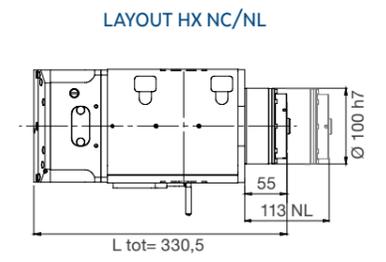
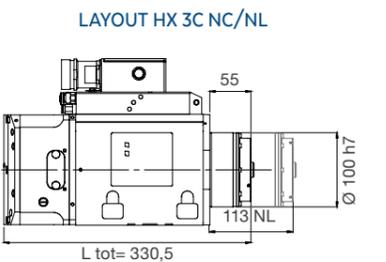
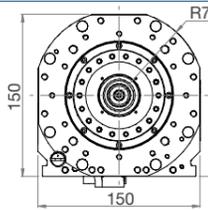
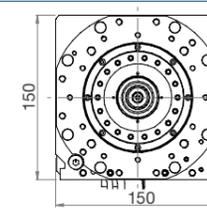
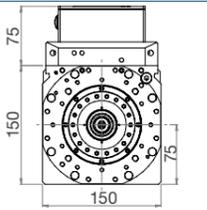
	10/7 24	12/12 24	13/7 24	15/12 24
LAYOUT	 L tot= 330,5	 L tot= 330,5	 L tot= 330,5	
VISTA FRONTALE ELETT. / ELECTROS. FRONT VIEW				
EQUIPAGGIAMENTO / EQUIPMENT	 HSK 63F  Labyrinth with air seal  Sensors s1, s2, s3, s5  Taper cleaning  Single effect pneumatic cylinder  Ceramic ball bearings  Circular connector cc (only for 3c version)			
OPZIONALI / OPTIONS	 Encoder  Long nose (L=113 mm)  HSK 63E/63A  Rotary union MQL/Air Tool  Anti-rotation sleeves  HSK plus  Temperature, vibration and speed monitoring			

ROBOTECH PX/HX/HX 3C

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	18/12 24	20/10 24 (SYNCHRONOUS)	24/10 24 (SYNCHRONOUS)
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

CARATTERISTICHE

ROBOTECH PX/HX/HX 3C

	18/12 24	20/10 24 (SYNCHRONOUS)	24/10 24 (SYNCHRONOUS)
LAYOUT	 L tot= 330,5	 L tot= 330,5	 L tot= 330,5
VISTA FRONTALE ELETT. / ELECTROS. FRONT VIEW			
EQUIPAGGIAMENTO / EQUIPMENT	 HSK 63F  Labyrinth with air seal  Sensors s1, s2, s3, s5  Taper cleaning  Single effect pneumatic cylinder  Ceramic ball bearings  Circular connector cc (only for 3c version)		
OPZIONALI / OPTIONS	 Encoder  Long nose (L=113 mm)  Circular connector cc machine side  HSK 63E/63A  Rotary union MQL/Air Tool  Anti-rotation sleeves  HSK plus  Temperature, vibration and speed monitoring		



ROBOTECH 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	23.9/26.3 Nm	23.9/26.3 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

CARATTERISTICHE

ROBOTECH PT/HT/HT 3C

	18/6 18 NC	18/6 24 NL	25/10 18 NC	25/10 24 NL
LAYOUT				
VISTA FRONTALE ELETT. / ELECTROS. FRONT VIEW				
EQUIPAGGIAMENTO EQUIPMENT				
OPZIONALI OPTIONS				

ROBOTECH PT/HT/HT 3C HEAVY NOSE

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	18/6 18 NH	25/10 18 NH	25/4 16 NH
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	23.9/26.3 Nm	58.9/70.7 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

CARATTERISTICHE

ROBOTECH PT/HT/HT 3C HEAVY NOSE

	18/6 18 NH	25/10 18 NH	25/4 16 NH
LAYOUT			
VISTA FRONTALE ELETT. / ELECTROS. FRONT VIEW			
EQUIPAGGIAMENTO EQUIPMENT			
OPZIONALI OPTIONS			



ROBOTECH QM/QM 3C

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS	QM-2 30/6 13	QM-2 34/6 13
Potenza (S1-S6) / Power (S1-S6)	30/35 kW	34/40 kW
Assorbimento corrente (S1-S6) / Current consumption (S1-S6)	59/65 A	61/72 A
Tensione / Voltage	380 V	380 V
Coppia (S1-S6) / Torque (S1-S6)	47.7/55.7 Nm	54/63 Nm
Tipologia elettromandrino / Type of electrospindle	Asynchronous 4 poles	Asynchronous 4 poles
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

CARATTERISTICHE

ROBOTECH QM/ QM 3C

	QM-2 30/6 13	QM-2 34/6 13
LAYOUT	LAYOUT HSK 63A 	LAYOUT HSK 63A 3C
VISTA FRONTALE ELETTROSPINDRINO / ELECTROSPINDLE FRONT VIEW		
EQUIPAGGIAMENTO / EQUIPMENT	HSK 63A Labyrinth with air seal Sensors s1, s2, s3, s5 Taper cleaning Single effect pneumatic cylinder Encoder	
OPZIONALI / OPTIONS	Rotary union MQL/Air Tool HSK 80F HSK 85S Temperature, vibration and speed monitoring	

ROBOTECH HX 3C



ROBOTECH PX



ROBOTECH QX HS



ROBOTECH HT



ROBOTECH PT



ROBOTECH HT NH



ROBOTECH HD



ROBOTECH HT 3C



ROBOTECH HX



ROBOTECH QM



ROBOTECH QX



ROBOTECH QM 3C



IDENTIFICAZIONE ELETTROMANDRINI / 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 COMPRESSA / 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

ELETTROMANDRINI SMART / SMART SPINDLES

iM = SENSORE DI VIBRAZIONE / TEMPERATURA VELOCITÀ IM SMART SENSOR / VIBRATION / TEMPERATURE / SPEED IM SMART SENSOR



E = SPINDLE BOARD FIELD BUS CAN OPEN



B = SPINDLE BOARD FIELD BUS ETHER CAT



K = SPINDLE BOARD FIELD BUS IO-LINK





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