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since 1951



AEROSPACE ENGINEERING



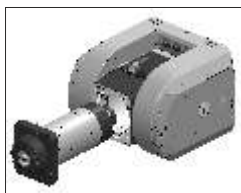
POWER GENERATION



AUTOMOTIVE - MOLDS



GENERAL ENGINEERING



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	5000 ÷ 30000	in	196.85 ÷ 1181.10
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	5000 ÷ 7600	in	196.85 ÷ 299.21
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1500 ÷ 2500	in	59.06 ÷ 98.43
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	90000	in/1'	3543.31
• Mandrino – <i>Spindle</i>		kW rpm			30 ÷ 100 7000 ÷ 30000
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A ISO-40 • ISO-50



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	3000 ÷ 20000	in	118.11 ÷ 787.40
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	2700 ÷ 4700	in	106.30 ÷ 185.04
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1500 ÷ 2200	in	59.06 ÷ 86.61
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	80000	in/1'	3149.61
• Testa Universale • <i>Universal Head</i> Testa a 5 Assi • <i>5-Axes Head</i>		kW • rpm kW • rpm			60 • 5000 110 • 28000
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A ISO-40 • ISO-50



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	2500 ÷ 30000	in	98.43 ÷ 1181.10
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1800 ÷ 3600	in	70.87 ÷ 141.73
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1200 ÷ 1750	in	47.24 ÷ 68.90
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	60000	in/1'	2362.20
• Mandrino – <i>Spindle</i>		kW rpm	37 ÷ 78 15000 ÷ 36000		
• Attacco Utensile – <i>Tool Connection</i>			HSK-63A • HSK-100A		

DIAMOND 30



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	3000	in	118.11
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	2600	in	102.36
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1200 ÷ 1400	in	47.24 ÷ 55.12
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	60000	in/1'	2362.20
• Mandrino – <i>Spindle</i>		kW rpm	37 ÷ 78 15000 ÷ 36000		
• Attacco Utensile – <i>Tool Connection</i>			HSK-63A • HSK-100A		



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	2200 (+220)	in	86.61 (+8.66)
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1500	in	59.06 (+8.66)
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1000	in	39.37
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	60000	in/1'	2362.20
• Mandrino – <i>Spindle</i>		kW rpm	37 ÷ 78 15000 ÷ 36000		
• Attacco Utensile – <i>Tool Connection</i>			HSK-63A • HSK-100A		

THS 120



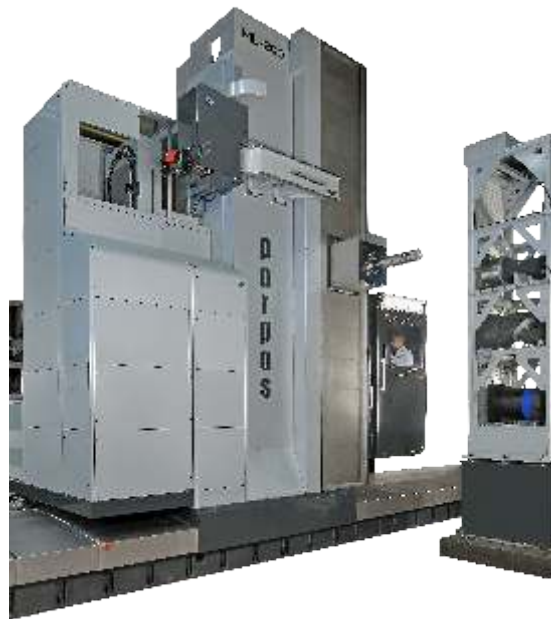
• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	1600 ÷ 3000	in	62.99 ÷ 118.11
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1250 ÷ 2000	in	49.21 ÷ 78.74
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1250 ÷ 2400	in	49.21 ÷ 94.49
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	30000	in/1'	1181.10
• Mandrino – <i>Spindle</i>		kW rpm			37 ÷ 60 4000 ÷ 20000
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A ISO-40 • ISO-50



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	1500 ÷ 2500	in	59.06 ÷ 98.43
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1200	in	47.24
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1200	in	47.24
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	40000	in/1'	1574.80
• Mandrino – <i>Spindle</i>		kW rpm	37 ÷ 63 5000 ÷ 20000		
• Attacco Utensile – <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50		



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	6000 ÷ 30000	in	236.22 ÷ 1181.10
• Corsa Verticale – <i>Vertical Travel</i>	Y	mm	3000 ÷ 6500	in	118.11 ÷ 255.61
• Corsa Trasversale – <i>Cross Travel</i>	Z	mm	1250+1000 1500+1250	in	49.21+39.37 59.06+49.21
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	25000	in/1'	984.25
• Mandrino – <i>Spindle</i>		kW rpm		107 • 134 3000	
• Attacco Utensile – <i>Tool Connection</i>				HSK-63A • HSK-100A ISO-40 • ISO-50	



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	6000 ÷ 30000	in	236.22 ÷ 1181.10
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1500 (+800 con bareno)	in	59.06 (+31.50 w/boring bar)
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	3000 ÷ 4500	in	118.11 ÷ 177.17
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	25000	in/1'	984.25
• Mandrino – <i>Spindle</i>		kW rpm		55 4000	
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A ISO-40 • ISO-50

ML 120



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	4000 ÷ 30000	in	157.48 ÷ 1181.10
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1250 • 1500	in	49.21 • 59.06
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	3000 ÷ 6500	in	118.11 ÷ 255.61
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	15000	in/1'	590.55
• Mandrino – <i>Spindle</i>		kW rpm		46 4000	
• Attacco Utensile – <i>Tool Connection</i>				HSK-63A • HSK-100A ISO-40 • ISO-50	



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	4000 ÷ 30000	in	157.48 ÷ 1181.10
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1250 • 1500	in	49.21 • 59.06
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	3000 ÷ 6500	in	118.11 ÷ 255.61
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	25000	in/1'	984.25
• Mandrino – <i>Spindle</i>		kW rpm		46 6000	
• Attacco Utensile – <i>Tool Connection</i>				HSK-63A • HSK-100A ISO-40 • ISO-50	

TABLES



<ul style="list-style-type: none"> • Superficie utile <i>Useful surface</i> 	mm in	4000 x 4500 157.48 x 177.17
<ul style="list-style-type: none"> • Corsa Asse Traslante <i>Traversing Axis Travel</i> 	mm in	3500 137.80
<ul style="list-style-type: none"> • Carico massimo ammesso <i>Load max admitted</i> 	ton cwt	100 1970

<ul style="list-style-type: none"> • Superficie utile <i>Useful surface</i> 	mm in	2000x2000 ÷ 5000x5000 78.74x78.74 ÷ 196.85x196.85
<ul style="list-style-type: none"> • Corsa Asse Traslante <i>Traversing Axis Travel</i> 	mm in	1500 ÷ 4000 59.06 ÷ 157.48
<ul style="list-style-type: none"> • Carico massimo ammesso <i>Load max admitted</i> 	ton cwt	fino a 150 up to 2960



AEROSPACE ENGINEERING



POWER GENERATION



AUTOMOTIVE - MOLDS



GENERAL ENGINEERING

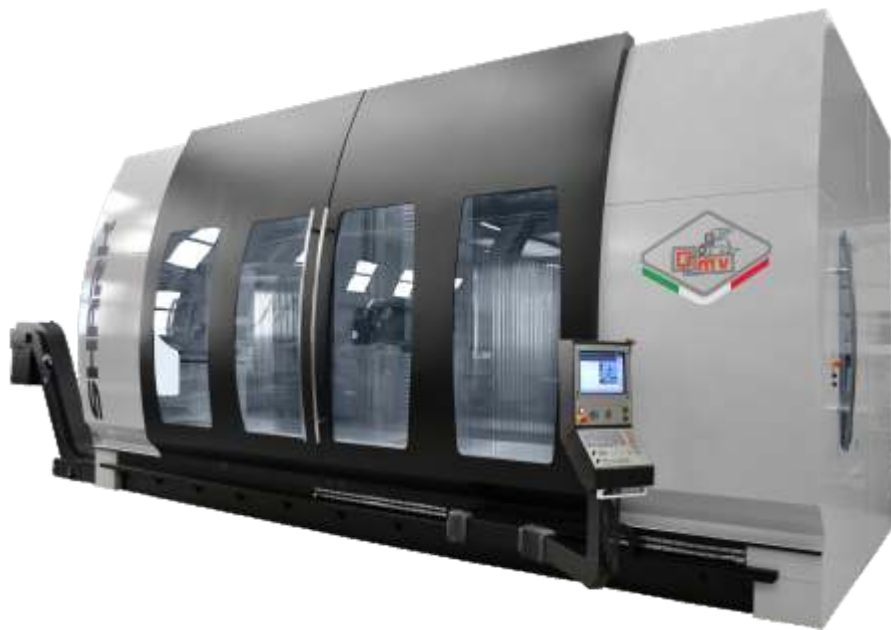
since 1969



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	4500 ÷ 20500	in	177.17 ÷ 807.09
• Corsa Verticale – <i>Vertical Travel</i>	Y	mm	2600 ÷ 4100	in	102.36 ÷ 161.42
• Corsa Trasversale – <i>Cross Travel</i>	Z	mm	1600	in	62.99
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	30000	in/1'	1181.10
• Mandrino – <i>Spindle</i>		kW rpm			37 ÷ 60 4000 ÷ 20000
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A ISO-40 • ISO-50



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	4000 ÷ 16000	in	157.48 ÷ 629.92
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	2100 • 2600	in	82.68 • 102.36
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1400 • 1500	in	55.12 • 59.06
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	30000	in/1'	1181.10
• Mandrino – <i>Spindle</i>		kW rpm			37 ÷ 45 4000 ÷ 22000
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A ISO-40 • ISO-50



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	3000 ÷ 5000	in	118.11 ÷ 196.85
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1200	in	47.24
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1600	in	62.99
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	30000	in/1'	1181.10
• Mandrino – <i>Spindle</i>		kW rpm			30 ÷ 45 5000 ÷ 22000
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A ISO-40 • ISO-50



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	2000 ÷ 6000	in	78.74 ÷ 236.22
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1050	in	41.34
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1200	in	47.24
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	40000	in/1'	1574.80
• Mandrino – <i>Spindle</i>		kW rpm	37 ÷ 63 5000 ÷ 22000		
• Attacco Utensile – <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50		



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	2200 • 2600	in	86.61 • 102.36
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	900	in	35.43
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1000	in	39.37
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	40000	in/1'	1574.80
• Mandrino – <i>Spindle</i>		kW rpm		37 • 47 12000 ÷ 22000	
• Attacco Utensile – <i>Tool Connection</i>				HSK-63A	



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	2200 • 3200 • 4200	in	86.61 • 125.98 • 165.35
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	2050	in	80.71
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1100	in	43.31
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	60000	in/1'	2362.20
• Mandrino – <i>Spindle</i>		kW rpm			37 ÷ 47 18000 ÷ 12000
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A ISO-40 • ISO-50



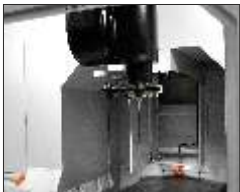
• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	2000 • 3000 • 4000	in	78.74 • 118.11 • 157.48
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1800 • 2030	in	70.87 • 79.92
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1000	in	39.37
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	60000	in/1'	2362.20
• Mandrino – <i>Spindle</i>		kW rpm			37 18000 • 22000
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A



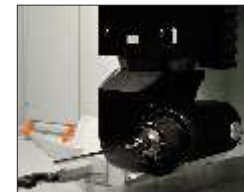
• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	1100 • 1700	in	43.31 • 66.93
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	600 • 800	in	23.62 • 31.50
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	600 • 800	in	23.62 • 31.50
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	60000	in/1'	2362.20
• Mandrino – <i>Spindle</i>		kW rpm			37 ÷ 55 15000 ÷ 20000
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A ISO-40 • ISO-50



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	2050	in	80.71
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	2050	in	80.71
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1100	in	43.31
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	60000	in/1'	2362.20
• Mandrino – <i>Spindle</i>		kW rpm		37 18000 • 22000	
• Attacco Utensile – <i>Tool Connection</i>				HSK-63A • HSK-100A	



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	2000	in	78.74
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1800 • 2030	in	70.87 • 79.92
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1000	in	39.37
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	30000	in/1'	1181.10
• Mandrino – <i>Spindle</i>		kW rpm	37 18000 • 22000		
• Attacco Utensile – <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50		



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	1200	in	47.24
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	1800 • 2030	in	70.87 • 79.92
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	1000	in	39.37
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	30000	in/1'	1181.10
• Mandrino – <i>Spindle</i>		kW rpm		37 18000 • 22000	
• Attacco Utensile – <i>Tool Connection</i>				HSK-63A • HSK-100A	



• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	1200	in	47.24
• Corsa Trasversale – <i>Cross Travel</i>	Y	mm	750	in	29.53
• Corsa Verticale – <i>Vertical Travel</i>	Z	mm	700	in	27.56
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	120000	in/1'	4724.41
• Mandrino – <i>Spindle</i>		kW rpm	20 • 37 27000 • 20000		
• Attacco Utensile – <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50		



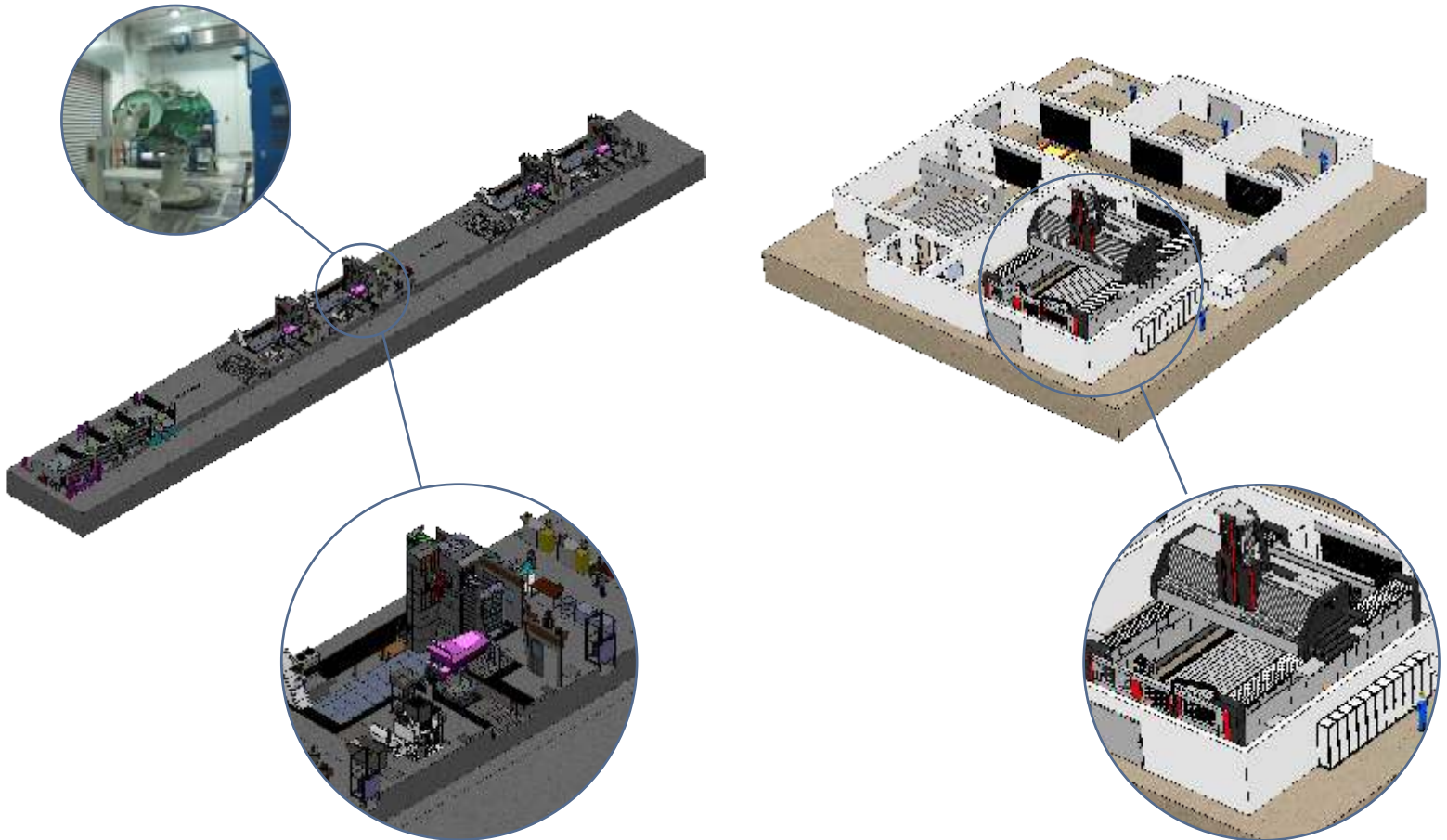
• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	800 + 800 1050 + 1050	in	31.50 + 31.50 41.34 + 41.34
• Corsa Verticale – <i>Vertical Travel</i>	Y	mm	500 ÷ 700	in	19.69 ÷ 27.56
• Corsa Trasversale – <i>Cross Travel</i>	Z	mm	650	in	25.59
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	60000	in/1'	2362.20
• Mandrino – <i>Spindle</i>		kW rpm			37 ÷ 55 15000 ÷ 22000
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A ISO-40 • ISO-50



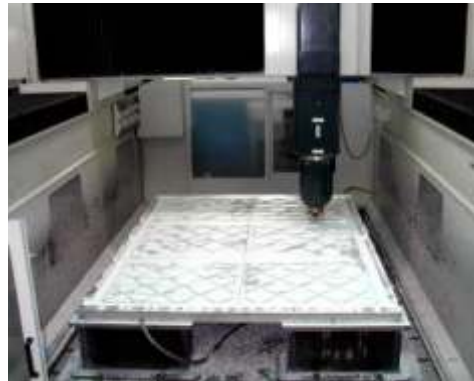
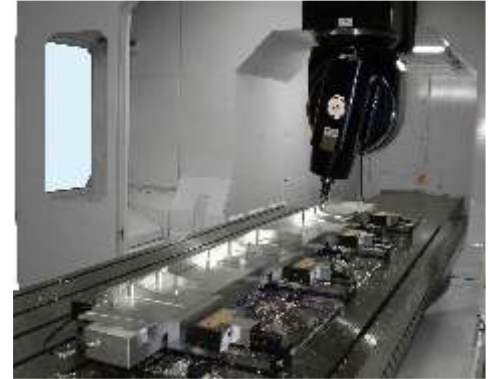
• Corsa Longitudinale – <i>Longitudinal Travel</i>	X	mm	1200	in	47.24
• Corsa Verticale – <i>Vertical Travel</i>	Y	mm	800	in	31.50
• Corsa Trasversale – <i>Cross Travel</i>	Z	mm	800	in	31.50
• Avanzamenti max – <i>Feedrates Max</i>		mm/1'	60000	in/1'	2362.20
• Mandrino – <i>Spindle</i>		kW rpm			Rettifica Orbitale Orbital Grinder
• Attacco Utensile – <i>Tool Connection</i>					HSK-63A • HSK-100A ISO-40 • ISO-50

AUTOMATION





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