





aerospace
engineering



power
generation



automotive
molds



general
engineering



AERO • XS • SPEEDLINER • DIAMOND • DIAMOND 30 • THS-100 • THS-120 • THS-TILT • INVAR • ML-120 • ML-200 • BF-AERO • ROTARY TABLES



since 1951



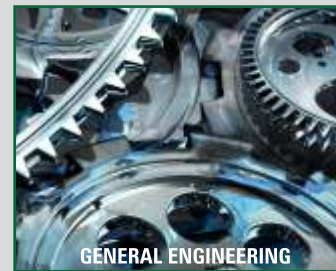
AEROSPACE ENGINEERING



POWER GENERATION



AUTOMOTIVE - MOLDS



GENERAL ENGINEERING



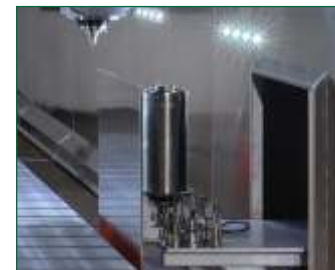
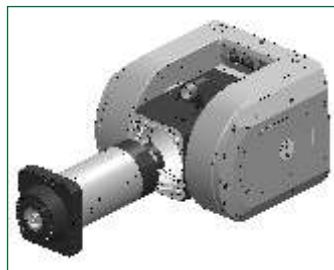
AERO



Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	5000 ÷ 30000 196.85 ÷ 1181.10
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	5000 ÷ 7600 196.85 ÷ 299.21
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1500 ÷ 2500 59.06 ÷ 98.43
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	90000 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

TTM twin torque motors
technology





Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	3000 ÷ 30000 118.11 ÷ 1181.10
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	2500 ÷ 4700 98.43 ÷ 185.04
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1250 ÷ 2200 49.21 ÷ 86.61
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	80000 3543.31
• Testa Universale • <i>Universal Head</i> • Testa a 5 Assi • <i>5-Axes Head</i>		kW • rpm kW • rpm	100 • 28000 60 • 5000
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50



TTM twin torque motors technology



Precisione di posizionamento garantita • *Behavior accuracy guarantee* – Gestione termica brevettata • *Thermal management patented*



Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	2500 ÷ 30000 98.43 ÷ 1181.10
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	1800 • 2600 • 3200 • 3600 70.87 • 102.36 • 125.95 • 141.73
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1200 • 1500 • 1750 47.24 • 59.06 • 68.90
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	60000 2362.20
• Mandrino <i>Spindle</i>		kW rpm	37 ÷ 60 20000 ÷ 24000
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	2200 (+220) 86.61 (+8.66)
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	1500 59.06 (+8.66)
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1000 39.37
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	60000 2362.20
• Mandrino <i>Spindle</i>		kW rpm	55 15000 ÷ 40000
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50



DIAMOND



DIAMOND 30



Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	3000 118.11
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	2600 102.36
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1200 ÷ 1400 47.24 ÷ 55.12
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	60000 2362.20
• Mandrino <i>Spindle</i>		kW rpm	55 15000 ÷ 40000
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





THS 100

Technical Data

● Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	1500 • 2000 • 2500 59.06 • 78.74 • 98.43
● Corsa Trasversale <i>Cross Travel</i>	Y	mm in	1200 47.24
● Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1200 47.24
● Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	40000 1574.80
● Mandrino <i>Spindle</i>		kW rpm	29 ÷ 64 7000 ÷ 20000
● Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50



THS 120



Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	2000 ÷ 3000 78.74 ÷ 118.11
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	1250 ÷ 2000 49.21 ÷ 78.74
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1250 ÷ 2400 49.21 ÷ 94.49
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	30000 1181.10
• Mandrino <i>Spindle</i>		kW rpm	30 20000
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





THS-TILT

Technical Data

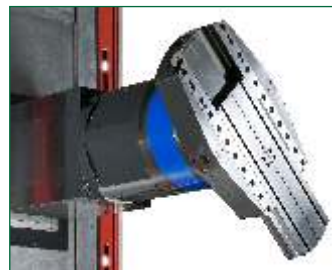
● Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	1600 ÷ 3000 62.99 ÷ 118.11
● Corsa Trasversale <i>Cross Travel</i>	Y	mm in	1250 ÷ 2000 49.21 ÷ 78.74
● Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1250 ÷ 2400 49.21 ÷ 94.49
● Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	30000 1181.10
● Mandrino <i>Spindle</i>		kW rpm	30 ÷ 65 5000 ÷ 20000
● Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	6000 ÷ 30000 236.22 ÷ 1181.10
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	1250+1000 • 1500+1250 49.21+39.37 • 59.06+49.21
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	3000 ÷ 6500 118.11 ÷ 255.61
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	25000 984.25
• Mandrino <i>Spindle</i>		kW rpm	80 • 100 7600 • 14500
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





ML 120

Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	6000 ÷ 30000 236.22 ÷ 1181.10
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	1250+1000 • 1500+1250 49.21+39.37 • 59.06+49.21
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	3000 ÷ 6500 118.11 ÷ 255.61
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	25000 984.25
• Mandrino <i>Spindle</i>		kW rpm	80 • 100 7600 • 14500
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50



ML 200



Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	6000 ÷ 30000 236.22 ÷ 1181.10
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	1500 59.06
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	3000 ÷ 4500 118.11 ÷ 177.17
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	25000 984.25
• Mandrino <i>Spindle</i>		kW rpm	46 • 55 17400 • 5400
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





Technical Data

● Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	4000 ÷ 30000 157.48 ÷ 1181.10
● Corsa Trasversale <i>Cross Travel</i>	Y	mm in	1250 • 1500 49.21 • 59.06
● Corsa Verticale <i>Vertical Travel</i>	Z	mm in	3000 ÷ 6500 118.11 ÷ 255.61
● Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	25000 984.25
● Mandrino <i>Spindle</i>		kW rpm	46 1740
● Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50



TABLES



Technical Data

● Superficie utile <i>Useful surface</i>	mm in	4000 x 4500 157.48 x 177.17
● Corsa Asse Traslante <i>Traversing Axis Travel</i>	mm in	3500 137.80
● Carico massimo amnesso <i>Load max admitted</i>	ton cwt	100 1970



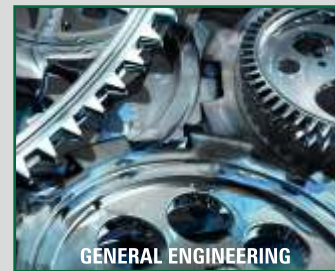
Technical Data

● Superficie utile <i>Useful surface</i>	mm in	2000x2000 ÷ 5000x5000 78.74x78.74 ÷ 196.85x196.85
● Corsa Asse Traslante <i>Traversing Axis Travel</i>	mm in	1500 ÷ 4000 59.06 ÷ 157.48
● Carico massimo amnesso <i>Load max admitted</i>	ton cwt	fino a 150 up to 2960

ELECTRA • DINAMIKA • SHARK • MANTA • ACTIVE • ACTIVE MEGA • UNIKA • ROLLER • ROLLER XL • ROLLER MEGA • ESAGON • TWIN • PHS • HSR



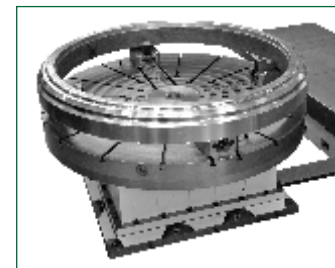
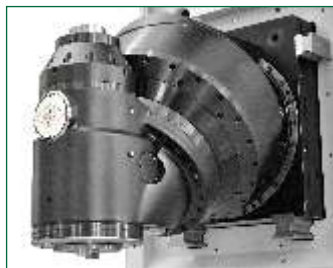
since 1969





Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	4000 ÷ 16000 157.48 ÷ 629.92
• Corsa Verticale <i>Vertical Travel</i>	Y	mm in	2100 • 2600 82.68 • 102.36
• Corsa Trasversale <i>Cross Travel</i>	Z	mm in	1400 • 1500 55.12 • 59.06
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	30000 1181.10
• Mandrino <i>Spindle</i>		kW rpm	29 ÷ 38 4000 ÷ 18000
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





DINAMIKA

Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	4500 ÷ 20500 177.17 ÷ 807.09
• Corsa Verticale <i>Vertical Travel</i>	Y	mm in	2600 ÷ 4100 102.36 ÷ 161.42
• Corsa Trasversale <i>Cross Travel</i>	Z	mm in	1600 62.99
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	30000 1181.10
• Mandrino <i>Spindle</i>		kW rpm	29 ÷ 75 4000 ÷ 18000
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





Technical Data

		SHARK	SHARKone
• Corsa Longitudinale <i>Longitudinal Travel</i>	X mm in	2000 ÷ 6000 78.74 ÷ 236.22	
• Corsa Trasversale <i>Cross Travel</i>	Y mm in	1200 47.24	1050 41.34
• Corsa Verticale <i>Vertical Travel</i>	Z mm in	1600 62.99	1200 47.24
• Avanzamenti max <i>Feedrates max</i>	mm/1' in/1'	30000 1181.10	40000 1574.80
• Mandrino <i>Spindle</i>	kW rpm	22 ÷ 45 4000 ÷ 18000	
• Attacco Utensile <i>Tool Connection</i>		HSK-63A • HSK-100A ISO-40 • ISO-50	





MANTA

Technical Data

● Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	2200 • 2600 86.61 • 102.36
● Corsa Trasversale <i>Cross Travel</i>	Y	mm in	900 35.43
● Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1000 39.37
● Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	40000 1574.80
● Mandrino <i>Spindle</i>		kW rpm	29 ÷ 40 12000 ÷ 22000
● Attacco Utensile <i>Tool Connection</i>			HSK-63A





Technical Data

		Standard	Linear
• Corsa Longitudinale Longitudinal Travel	X mm in	2000 • 3000 • 4000 78.74 • 118.11 • 157.48	
• Corsa Trasversale Cross Travel	Y mm in	1800 • 2030 70.87 • 79.92	
• Corsa Verticale Vertical Travel	Z mm in	850 • 1000 33.46 • 39.37	
• Avanzamenti max Feedrates max	mm/1' in/1'	30000 1181.10	60000 2362.20
• Mandrino Spindle	kW rpm	20 ÷ 30 18000 ÷ 30000	
• Attacco Utensile Tool Connection		HSK-63A • HSK-100A ISO-40 • ISO-50	





Technical Data

● Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	2200 • 3200 • 4200 86.61 • 125.98 • 165.35
● Corsa Trasversale <i>Cross Travel</i>	Y	mm in	2050 80.71
● Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1100 43.31
● Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	60000 2362.20
● Mandrino <i>Spindle</i>		kW rpm	29 • 40 18000 • 12000
● Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	1100 • 1700 43.31 • 66.93
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	600 • 800 23.62 • 31.50
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	600 • 800 23.62 • 31.50
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	60000 2362.20
• Mandrino <i>Spindle</i>		kW rpm	29 18000
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





ROIER

Technical Data

● Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	1200 47.24
● Corsa Trasversale <i>Cross Travel</i>	Y	mm in	1800 • 2030 70.87 • 79.92
● Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1000 39.37
● Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	30000 1181.10
● Mandrino <i>Spindle</i>		kW rpm	29 18000
● Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





Technical Data

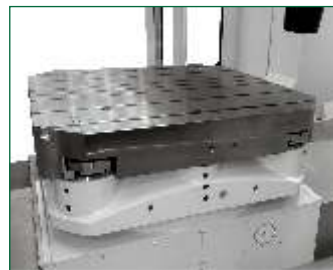
• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	2000 78.74
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	1800 • 2030 70.87 • 79.92
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1000 39.37
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	30000 1181.10
• Mandrino <i>Spindle</i>		kW rpm	29 18000
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





Technical Data

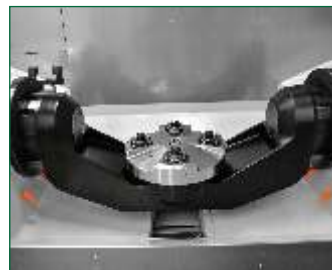
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● Corsa Trasversale <i>Cross Travel</i>	Y	mm in	2050 80.71
● Corsa Verticale <i>Vertical Travel</i>	Z	mm in	1100 43.31
● Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	60000 2362.20
● Mandrino <i>Spindle</i>		kW rpm	29 • 30 18000 • 22000
● Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





Technical Data

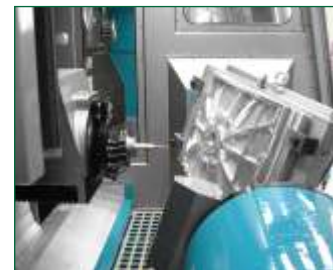
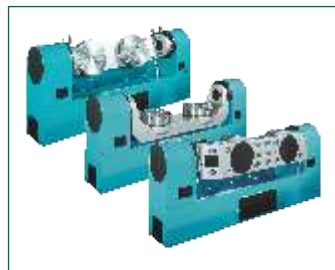
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• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	750 29.53
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	700 27.56
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	120000 4724.41
• Mandrino <i>Spindle</i>		kW rpm	20 • 29 27000 • 20000
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





Technical Data

● Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	800+800 • 1050+1050 31.50+31.50 • 41.34+41.34
● Corsa Trasversale <i>Cross Travel</i>	Y	mm in	500 • 700 19.69 • 27.56
● Corsa Verticale <i>Vertical Travel</i>	Z	mm in	650 25.59
● Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	60000 2362.20
● Mandrino <i>Spindle</i>		kW rpm	29 ÷ 41 15000 ÷ 22000
● Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





Technical Data

• Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	800 • 1200 • 1600 31.50 • 47.24 • 62.99
• Corsa Trasversale <i>Cross Travel</i>	Y	mm in	600 • 800 • 900 • 1200 23.62 • 31.50 • 35.43 • 47.24
• Corsa Verticale <i>Vertical Travel</i>	Z	mm in	450 ÷ 700 17.72 ÷ 27.56
• Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	30000 1181.10
• Mandrino <i>Spindle</i>		kW rpm	17 ÷ 30 8000 ÷ 40000
• Attacco Utensile <i>Tool Connection</i>			HSK-63A • HSK-100A ISO-40 • ISO-50





Technical Data

● Corsa Longitudinale <i>Longitudinal Travel</i>	X	mm in	1200 47.24
● Corsa Trasversale <i>Cross Travel</i>	Y	mm in	800 31.50
● Corsa Verticale <i>Vertical Travel</i>	Z	mm in	800 31.50
● Avanzamenti max <i>Feedrates max</i>		mm/1' in/1'	60000 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

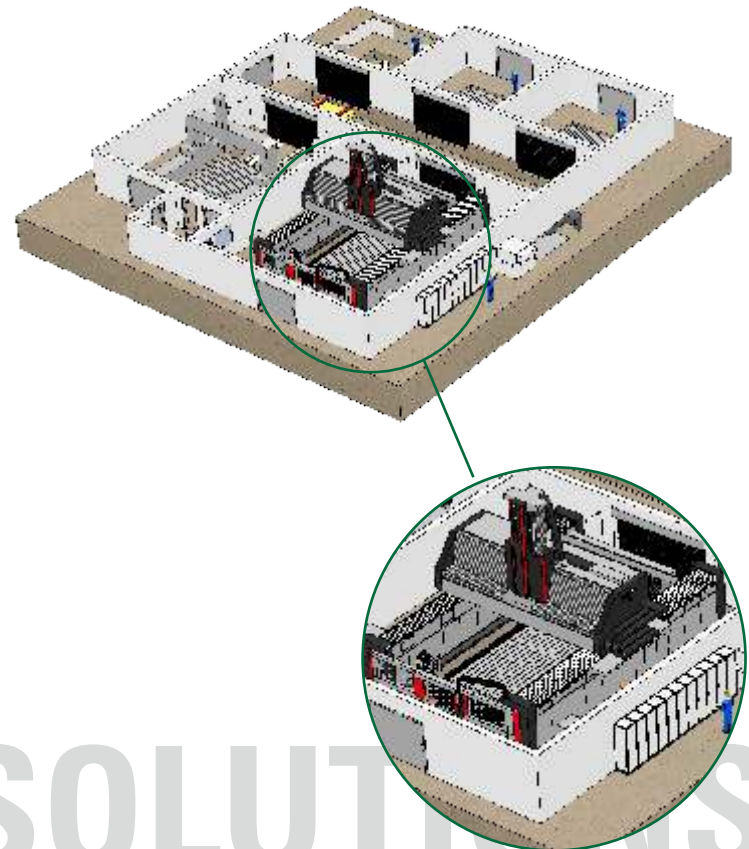
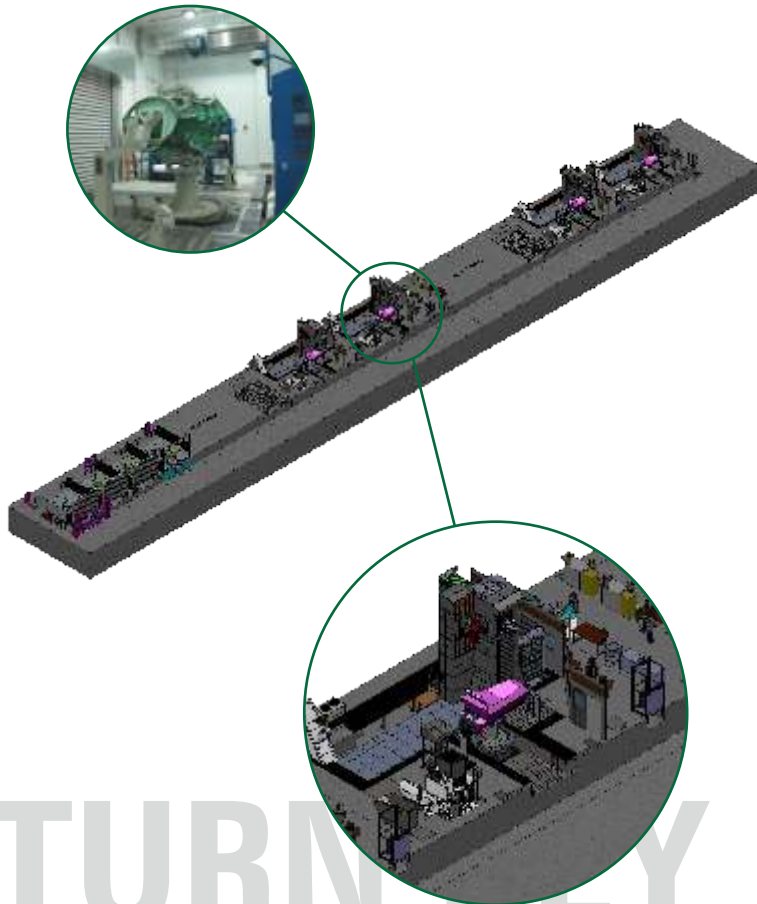


AUTOMATION

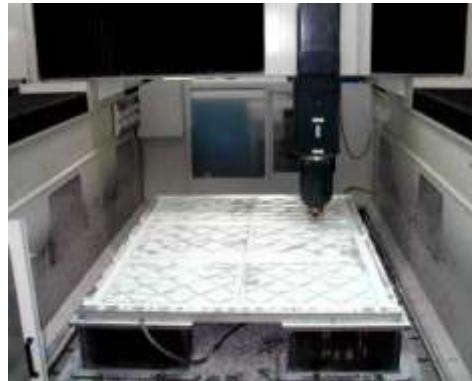


TURN KEY SOLUTIONS

From 3D model to certified final component



MACHINING EXAMPLES



MACHINING EXAMPLES



LOCKHEED MARTIN





MECACI-ROME





ALL OVER THE WORLD

NOTES





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