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CERTIFIED ISO 9001:2015

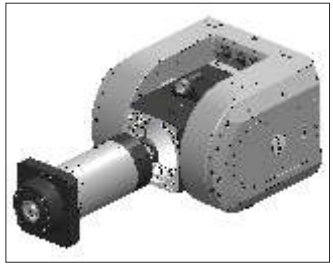
since 1951

AEROSPACE ENGINEERING

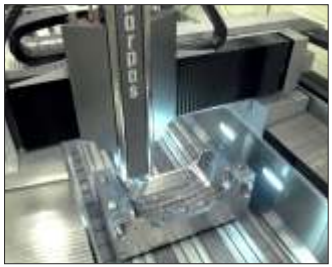
POWER GENERATION

AUTOMOTIVE - MOLDS

GENERAL ENGINEERING



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



BREVETTATA PATENTED

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

BREVETTATA PATENTED

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

DIAMOND 30

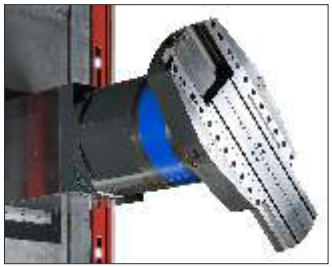
• Corsa Longitudinale – *Longitudinal Travel*	X	mm	3000	in	*118.11*
• Corsa Trasversale – *Cross Travel*	Y	mm	2600	in	*102.36*
• Corsa Verticale – *Vertical Travel*	Z	mm	1200 ÷ 1400	in	*47.24 ÷ 55.12*
• Avanzamenti max – *Feedrates Max*		mm/1'	60000	in/1'	*2362.20*
• Mandrino – *Spindle*		kW rpm	37 ÷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

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

THS 120

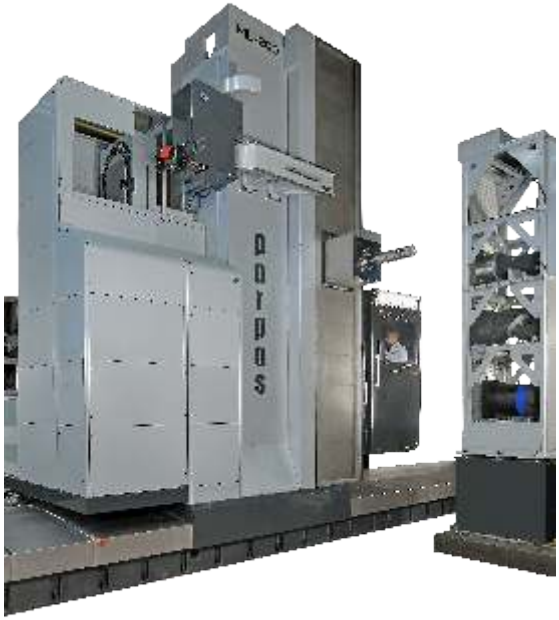
• Corsa Longitudinale – *Longitudinal Travel*	X	mm	1600 ÷ 3000	in	*62.99 ÷ 118.11*
• Corsa Trasversale – *Cross Travel*	Y	mm	1250 ÷ 2000	in	*49.21 ÷ 78.74*
• Corsa Verticale – *Vertical Travel*	Z	mm	1250 ÷ 2400	in	*49.21 ÷ 94.49*
• Avanzamenti max – *Feedrates Max*		mm/1'	30000	in/1'	*1181.10*
• Mandrino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

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



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

ML 200



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

ML 120

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

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

TABLES

• Superficie utile *Useful surface*	mm in	4000 x 4500 *157.48 x 177.17*
• Corsa Asse Traslante *Traversing Axis Travel*	mm in	3500 *137.80*
• Carico massimo ammesso *Load max admitted*	ton cwt	100 *1970*

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

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since 1969

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POWER GENERATION

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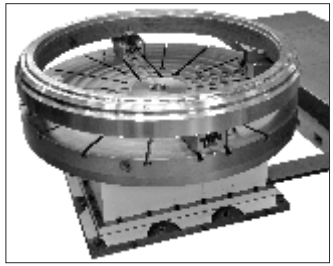
• Corsa Longitudinale – *Longitudinal Travel*	X	mm	4500 ÷ 20500	in	*177.17 ÷ 807.09*
• Corsa Verticale – *Vertical Travel*	Y	mm	2600 ÷ 4100	in	*102.36 ÷ 161.42*
• Corsa Trasversale – *Cross Travel*	Z	mm	1600	in	*62.99*
• Avanzamenti max – *Feedrates Max*		mm/1'	30000	in/1'	*1181.10*
• Mandrino – *Spindle*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

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



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

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

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

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

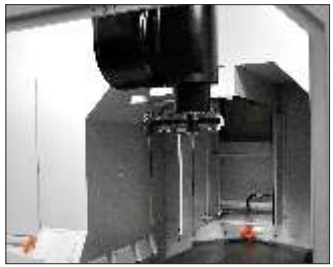
• Corsa Longitudinale – *Longitudinal Travel*	X	mm	2000 • 3000 • 4000	in	*78.74 • 118.11 • 157.48*
• Corsa Trasversale – *Cross Travel*	Y	mm	1800 • 2030	in	*70.87 • 79.92*
• Corsa Verticale – *Vertical Travel*	Z	mm	1000	in	*39.37*
• Avanzamenti max – *Feedrates Max*		mm/1'	60000	in/1'	*2362.20*
• Mandrino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

BREVETTATA PATENTED

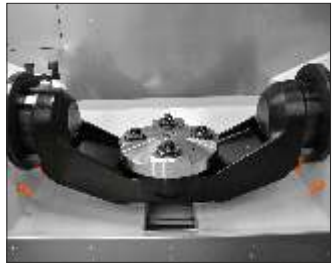
• Corsa Longitudinale – *Longitudinal Travel*	X	mm	1100 • 1700	in	*43.31 • 66.93*
• Corsa Trasversale – *Cross Travel*	Y	mm	600 • 800	in	*23.62 • 31.50*
• Corsa Verticale – *Vertical Travel*	Z	mm	600 • 800	in	*23.62 • 31.50*
• Avanzamenti max – *Feedrates Max*		mm/1'	60000	in/1'	*2362.20*
• Mandrino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

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

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



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



• Corsa Longitudinale – *Longitudinal Travel*	X	mm	1200	in	*47.24*
• Corsa Trasversale – *Cross Travel*	Y	mm	750	in	*29.53*
• Corsa Verticale – *Vertical Travel*	Z	mm	700	in	*27.56*
• Avanzamenti max – *Feedrates Max*		mm/1'	120000	in/1'	*4724.41*
• Mandrino – *Spindle*		kW rpm	20 • 37 27000 • 20000		
• Cono Mandrino – *Spindle Taper*			HSK-50E • HSK-63A • ISO 30 • ISO 40 • NC5-46		

BREVETTATA PATENTED

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

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

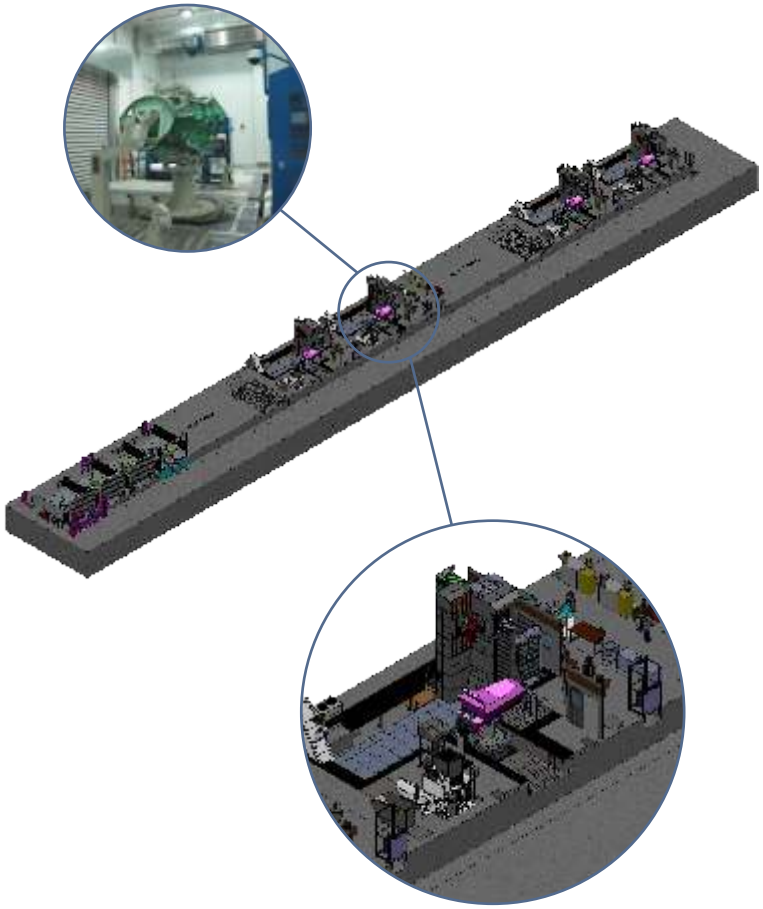
AUTOMATION

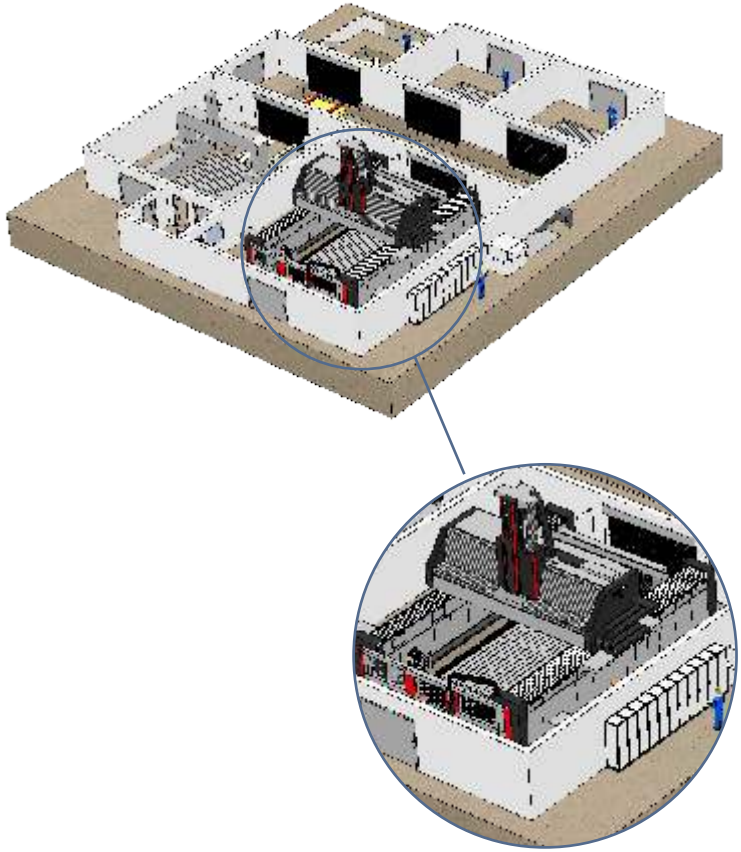




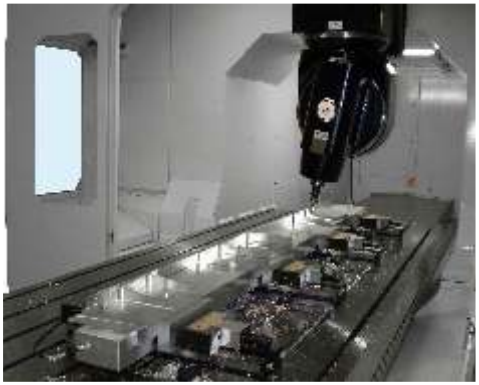


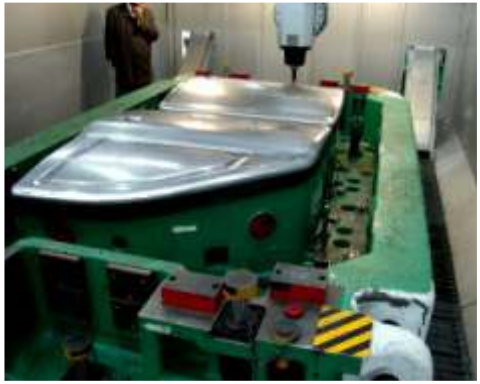


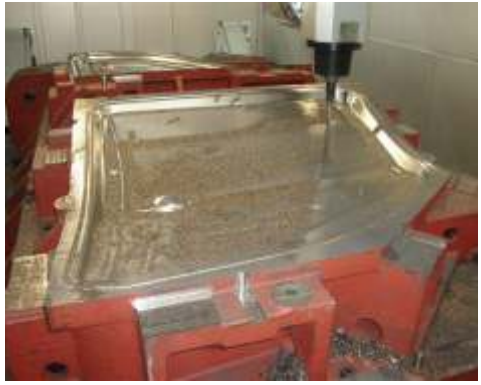





MACHINING EXAMPLES







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