

Versatile in advanced machining

As well as machining techniques such as (CNC) turning operations, milling, honing, grinding and polishing, we also perform an extensive range of special heat treatments, surface treatments and metallic coatings. Ceramic, wear-resistant, rust-proof and even chemical anti-corrosive layers are applied and carefully whetted to strict measurements.

Perfection from single prototype to extensive serial work

Our technical experts and skilled personnel ensure that all components fulfil the high quality requirements that are demanded by our customers. Using modern machinery and advanced equipment, precise specifications can be carried out within strict tolerance values and are carefully documented in project files. Whether it is just one prototype or a production series, each item will be perfect.

Survey of machining techniques and material treatments

The table below provides a survey of our machining capabilities with corresponding specifications. As always, do not hesitate to contact us in case the measurements of the workpiece exceed the values shown below. Also in terms of very complex machining procedures we can offer various innovative solutions.

Machining technique	Remarks	Technical data	Dimensions
Sawing			
Sawing	up to Ø 400 mm	automatic	
Pillar drilling	0p 10 @ 400 mm	dolomane	
i iliai a iling	up to Ø 50 mm	height of workpiece	800 mm
		working width	300 mm
Radial drilling		working widin	500 mm
	up to Ø 85 mm	height of workpiece	1100 mm
		working width	1600 mm
Center lathes		working widin	1000 11111
Contendances		length between centers	8000 mm
		rotation diameter	Ø 1250 mm
CNC turning operations (gener	al specifications)		0 1250 1111
cite forming operations (gener	up to Ø 900 mm	length	2000 mm
		rotation diameter	Ø 900 mm
CNC turning operations for FA	TTUD 1250MAN		Ø 900 mm
cive forming operations for PA	SIEMENS	spindle diameter above bed	Ø 1350 mm
	Operating System	spindle diameter above bed	Ø 900 mm
	Operating System	length between centers	6000 mm
		steadies up to	Ø 1000 mm
Schiess carrousel turning oper	ations mashing	steddies up to	@ 1000 mm
Schless carrousel furning oper	ations machine	spindle diameter	Ø 1825 mm
			Ø 1823 mm Ø 2000 mm
		turning operations diameter rotation height	2000 mm 1100 mm
		table dimensions	Ø 1800 mm
		maximum allowance of table load	
	()	maximum allowance of table load	12000 kg
CNC milling (general specificat	nons	leasth of studies	2000 mm
		length of stroke	
		width of stroke	1200 mm
	l	height of stroke	1500 mm
CNC milling Sachman CNC bea	a milling machine		1000
		longitudinal transfer	1800 mm
		diagonal transfer	815 mm
		vertical transfer	1012 mm
		table dimensions	2000 x 7300 mm
		maximum allowance of table load	4000 kg

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Machining technique	Remarks	Technical data	Dimensions
CNC boring UNION			
		spindle diameter	Ø 130 mm
		allowance on spindle	50 ISC
		spindle transfer axial (w)	900 mm
		table size	1800 x 2000 mm
		longitudinal transfer table (Z)	2345 mn
		diagonal transfer table (X)	2235 mn
		vertical spindle case transfer (Y)	2020 mn
		distance between spindle axis to table vertical	2000 mr
		maximum allowance of table load	8000 kg
Key-way (also spline) milling	and the second		
	great expertise in spline milling internal	length	600 mr
	memor	height of workpiece	600 mm
Slotting machining		height of workpiece	000 111
		length of stroke	700 mr
		working width	750 mr
		height of work piece	700 mr
Planing machining		height of work piece	700 111
	shaper	length	750 mr
		height	440 mr
		width of plane	850 mr
Horizontal boring			000 m
	rotating table	spindle diameter	Ø 80 mr
	Tordinig lable	longitudinal transfer	1300 mr
		diagonal transfer	1200 mr
		altitudinal transfer	1200 mr
		line drilling up to	2000 mr
Metallic spraying			2000 III
. , ,		powder procedure	
Welding (fully automatic)			
	submerged melt	round *	1700 mr
		length *	8750 mr
Cylindrical grinding			
		length	2600 mr
		maximum diameter	Ø 650 mr
Internal grinding			
		external up to	Ø 400 mr
		internal up to	Ø 300 mr
		depth up to	500 mr
Crankshaft grinding			
		maximum length	2400 mn
		maximum length of stroke	280 mn
Fine drilling			
		maximum cylinder height	750 mr
		maximum working width	800 mn
Fine honing			
Confractinishin -		up to diameter	Ø 450 mr
Surface finishing		maximum length	600 mn
		maximum length maximum height	300 mr
		grind stone diameter	Ø 360 mm
		grina sione alameler	@ 300 mr

* depending on workpiece dimensions other options can be arranged after consultation.