

PERFECTION IN PRECISION

INNOVATIVE HIGH-PRECISION
ENGINEERING PRODUCTS FOR:

- ▶ **AUTOMOTIVE INDUSTRY**
- ▶ **PETROCHEMICAL INDUSTRY**
- ▶ **MEDICAL INDUSTRY**
- ▶ **AEROSPACE INDUSTRY**
- ▶ **SEMICON INDUSTRY**



WITH 40 YEARS OF EXPERIENCE, AJB INSTRUMENT BV WILL BE ABLE TO
OFFER YOU EVEN MORE OPTIONS AS A MEMBER OF THE **MADERN GROUP**.

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PRODUCTION FACILITIES

CNC LATHES

		Processing options	Realisation
Schaublin	110 CNC		CNC Fanuc, C-axis driven tools
Schaublin	42S	0.5 mm to 600 mm in diameter	CNC Fanuc, Sub-spindle Y/C axes driven tools
Spinner	PD/C	Length between the centres 1000 mm	CNC Fanuc, Sub-spindle C-axis driven tools
Nakamura	WT-100	3-axis to 11-axis versions	CNC Fanuc, 2 Spindles, 2 revolvers, 2 Y/C axes
Monforts	RNC 5		CNC Fanuc, C-axis driven tools

CONVENTIONAL LATHES

		Processing options	Realisation
Schaublin	102N-VM		Precision lathe
Schaublin	125C	0.5 mm to 270 mm in diameter	Toolmakers lathe
TOS	SN 500 OS	Length between the centres 1500 mm	Toolmakers lathe
Weiler	Commodor		Toolmakers lathe

CNC MILLING MACHINES

		X	Y	Z	Realisation
Mikron	UCP 800	800	650	500	CNC Heidenhain, 5-axis
Mikron	VCP 800	800	450	450	CNC Heidenhain, 3-axis
Mikron	UCP 600	400	400	400	CNC Heidenhain, 5-axis
Fehlmann	P90-M	700	420	610	CNC Heidenhain, 5-axis (Erowa cartridge and robot)

HORIZONTAL MACHINING CENTRE

		X	Y	Z	Realisation
Haas	EC-400	508	508	508	CNC Haas, CNC rotary table, pallet changer

GRINDING MACHINES

		length	diameter/width	Special aspects
Okamoto	ACC 63DX	600	300	Cycle-driven surface grinding machine
Studer	S20-4	650	200	Universal cylindrical grinding machine, outdoor/ indoor
Sunnen	1804	approx. 60	30	Automatic honing machine
Joke	EL 380		380	Läpping machine

SPARK AND WIRE EROSION MACHINING

		X	Y	Z	Special aspects
Agie	Agietron1U	160	200	150	With C-axis
Sodick	SLC600G	600	400	350	Min. wire thickness 0.1 mm, Ra 0.1 pm

MEASURING ROOM (CONDITIONED)

ZEISS CONTURA G2	700 x 1000 x 600 dial test indicator Zeiss
MITUTOYO FJ 805	500 x 800 x 500 dial test indicator PH10

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MACHINE PROCESSING

The machinery of Madern complements the machinery of AJB. Larger turning/ milling machining possible (up to 3000 mm between the centres and 650 mm in diameter) and larger surface/ cylindrical grinding work are now available as options, all with ISO 9001 certification.



ENGRAVING

The first activity of Madern. Since 1954, Madern has been - and still is - a specialist in all imaginable engraving work. Laser engraving is also an option.



COATING

Madern recently invested in an extremely advanced PCB coating system. We also offer this in-house facility to all kinds of industries by means of contract work.