

精工細作 · 完美追求



# INSPECTION EQUIPMENT



2D PROJECTOR



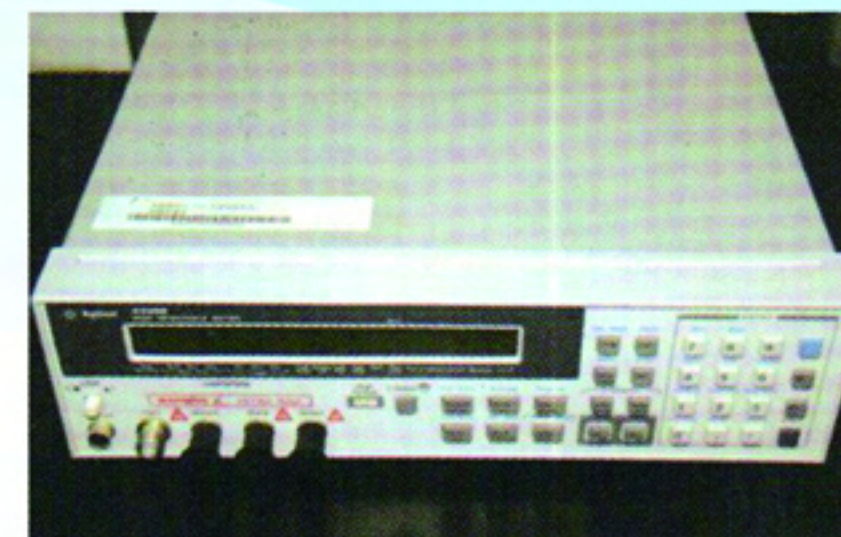
DEPTH TEST INSTRUMENT



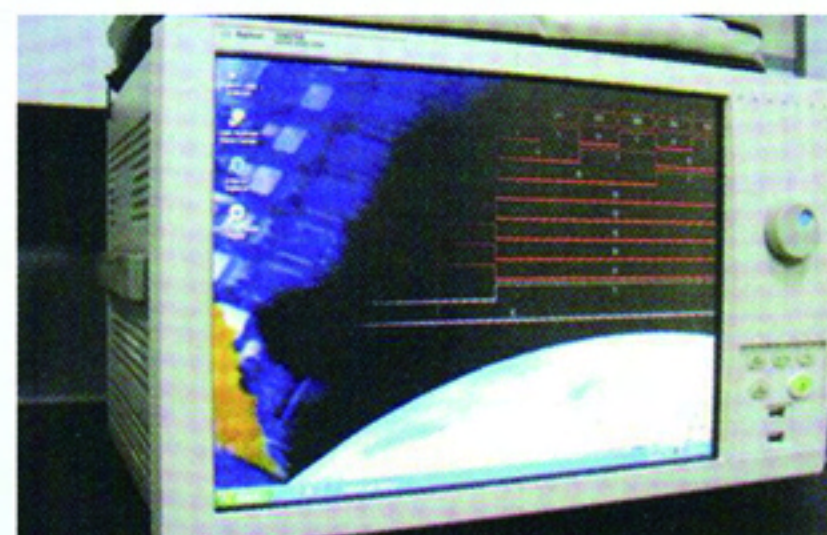
RENSHAW LASER INTERFEROMETER



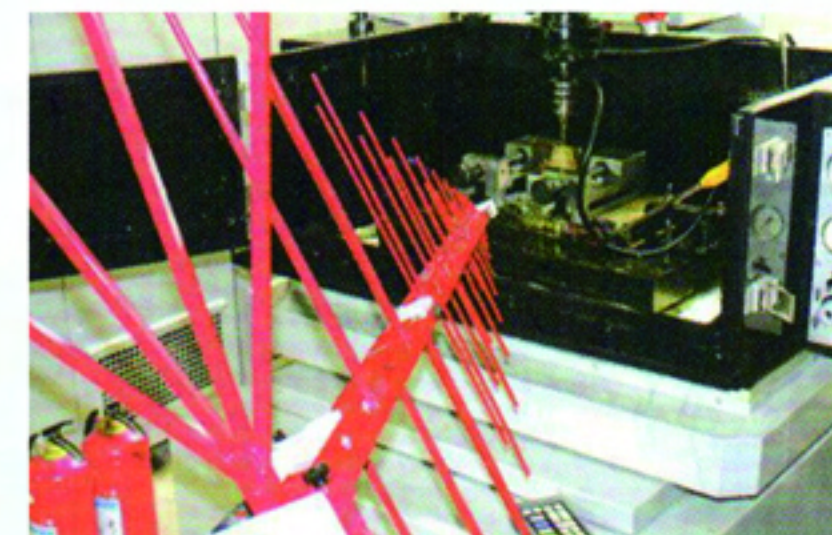
DIGITAL STORAGE OSCILLOSCOPE



HIGH RESISTANCE TESTER

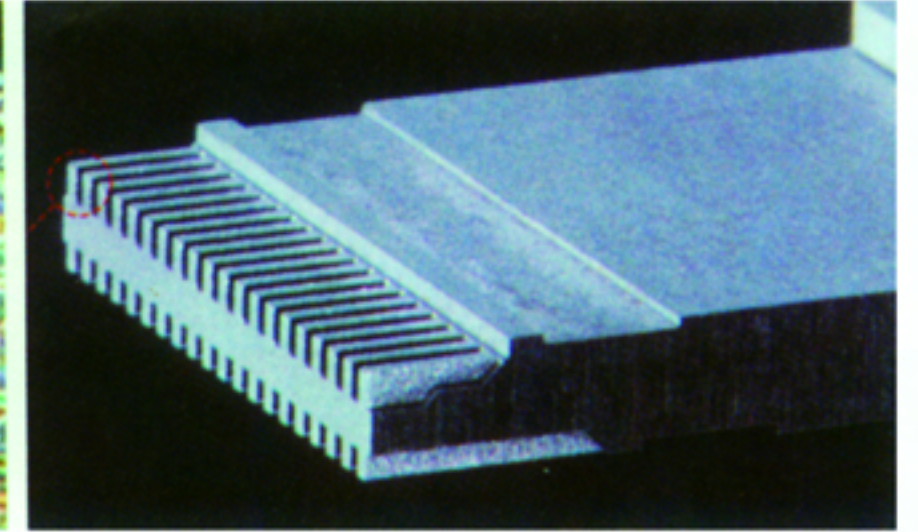
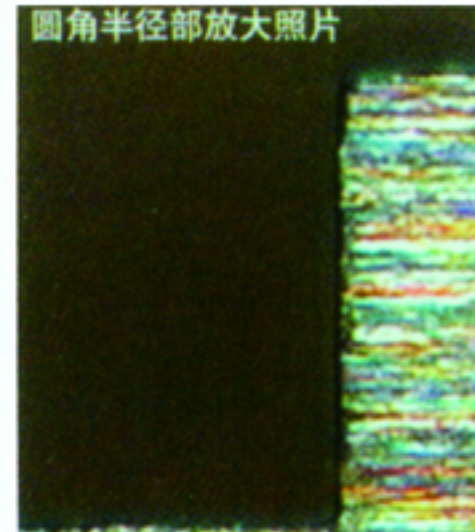
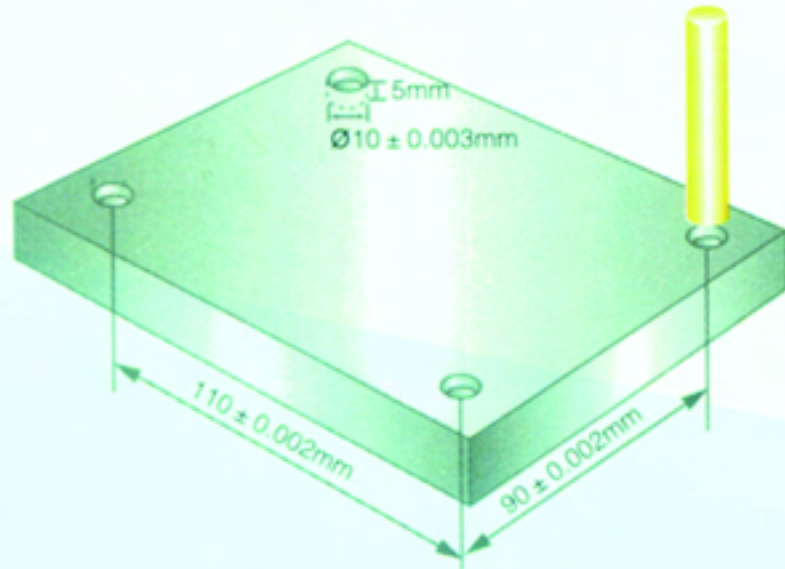


LOGIC ANALYZER



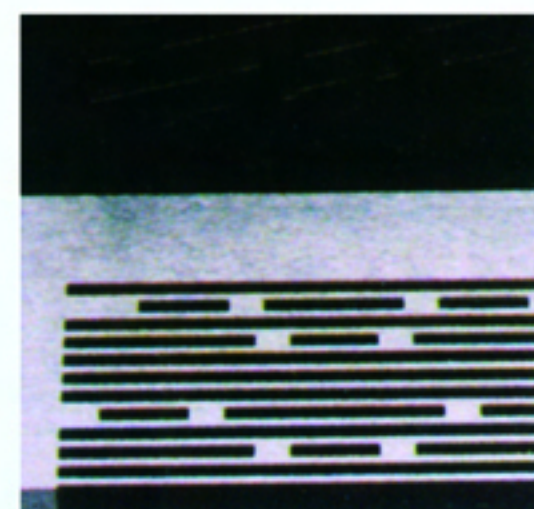
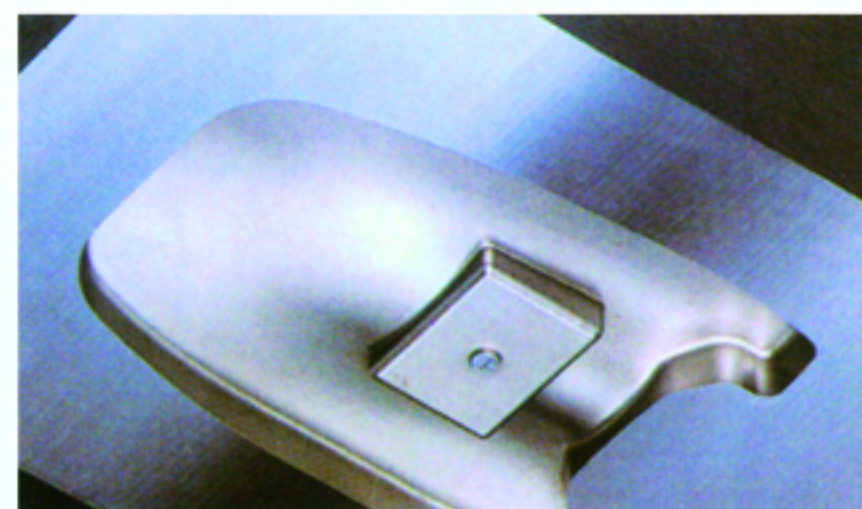
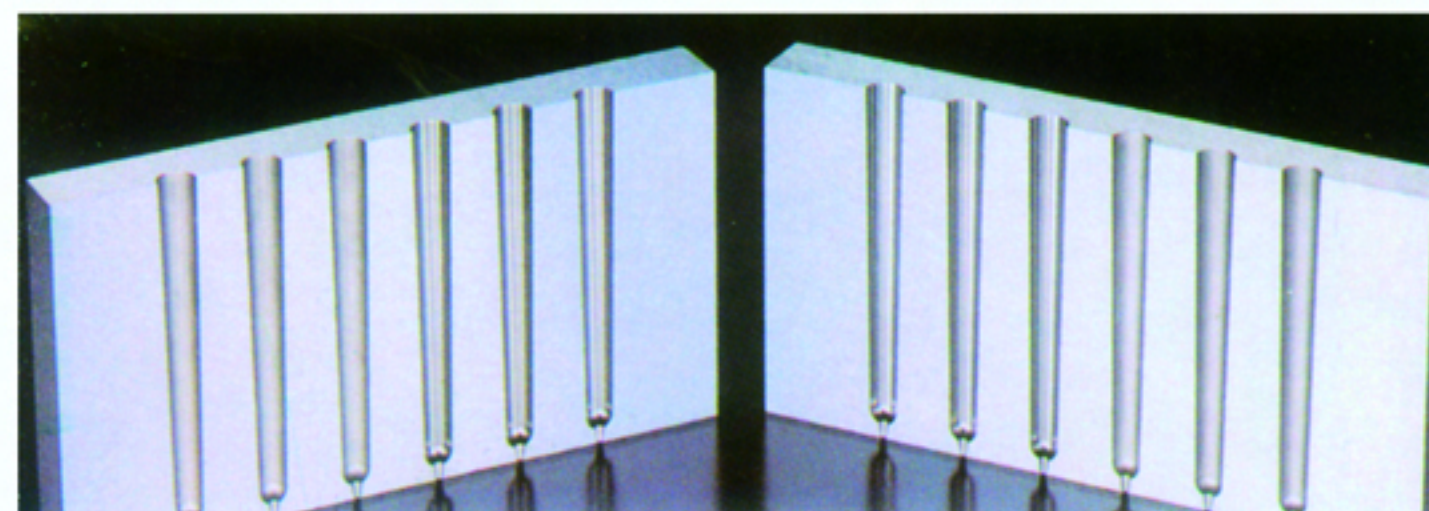
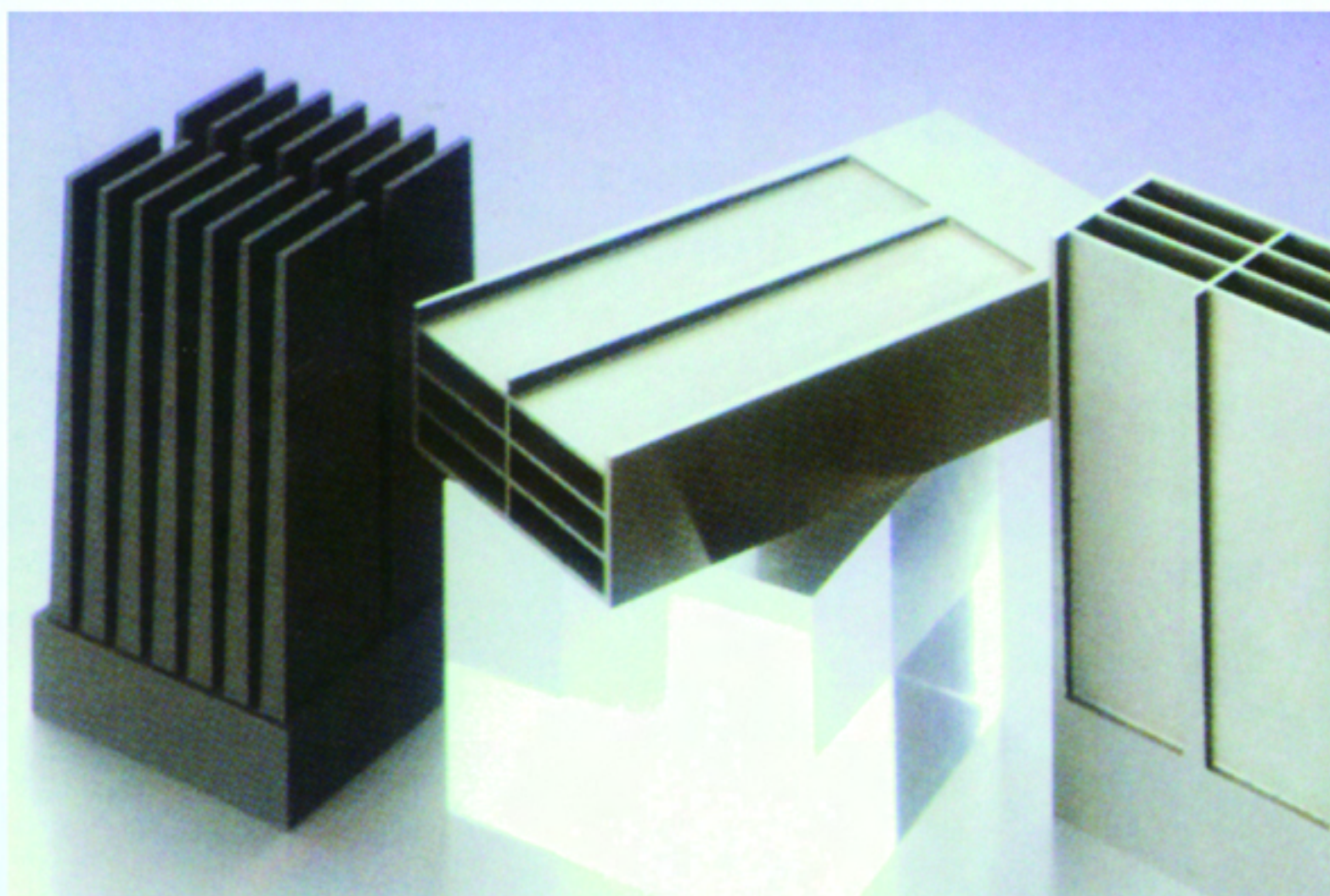
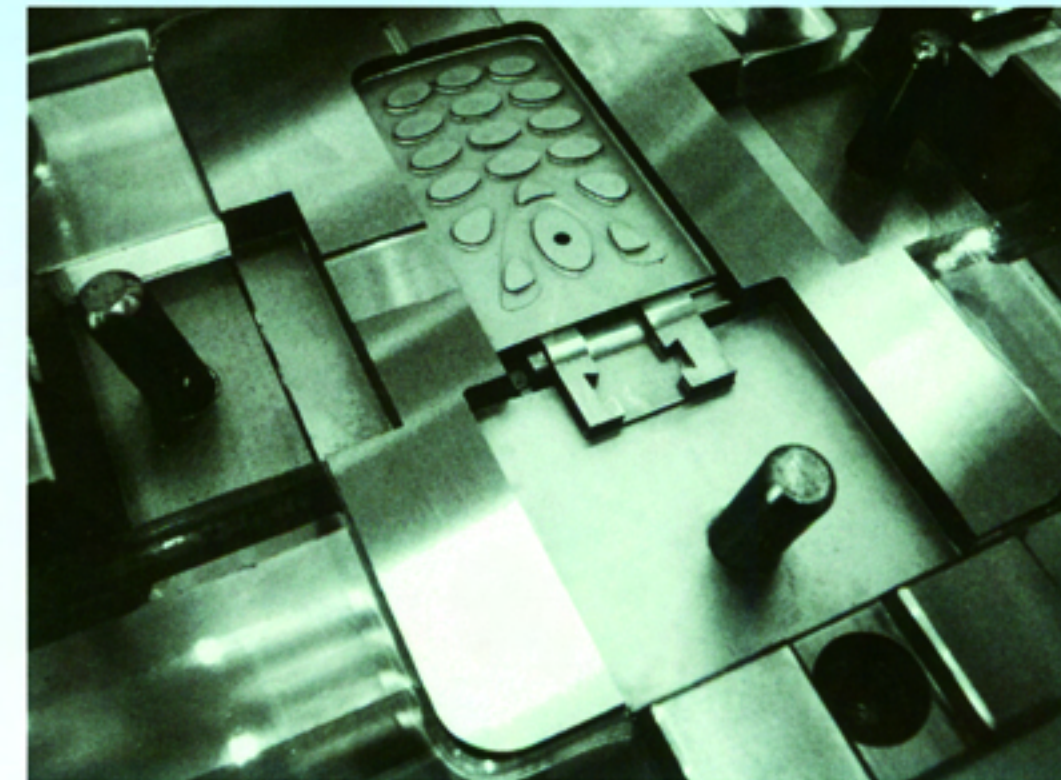
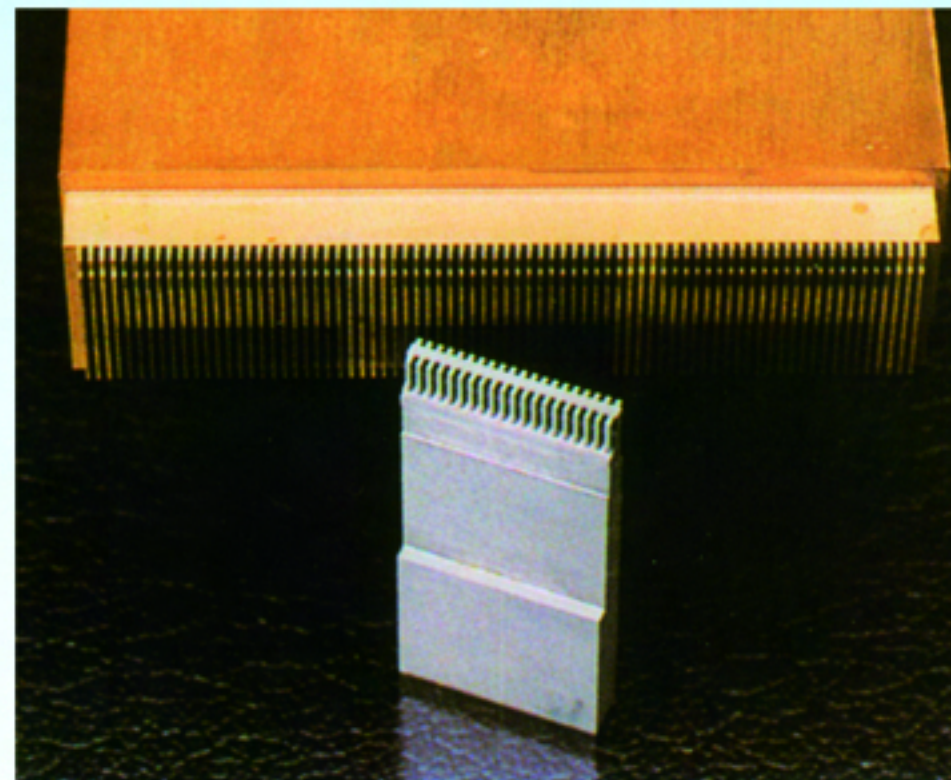
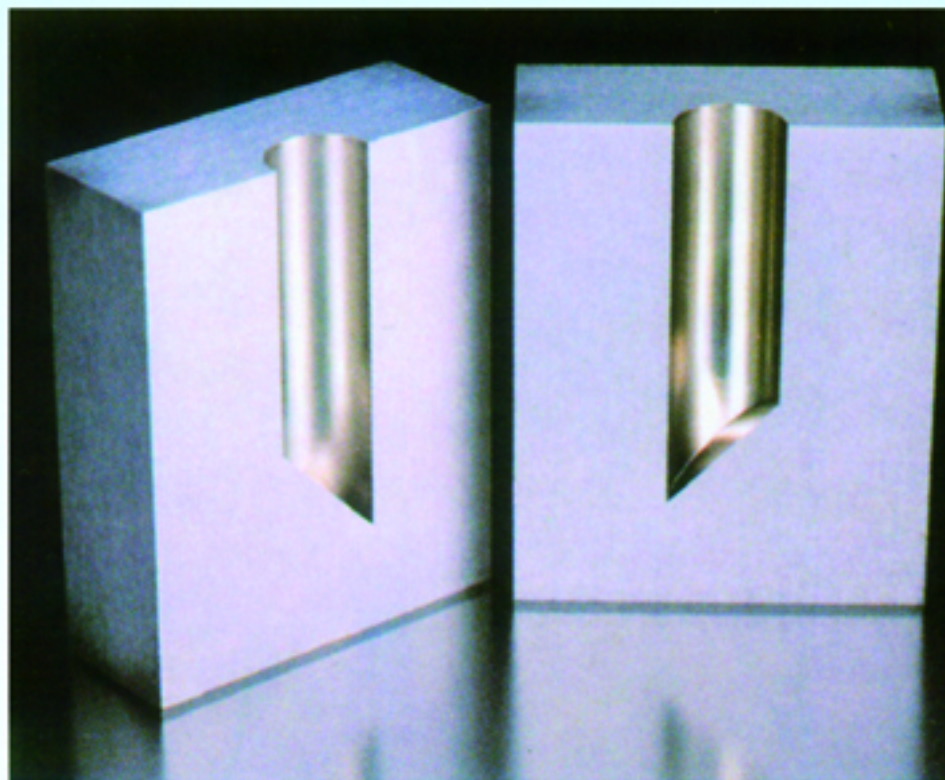
EMC ANALYZER

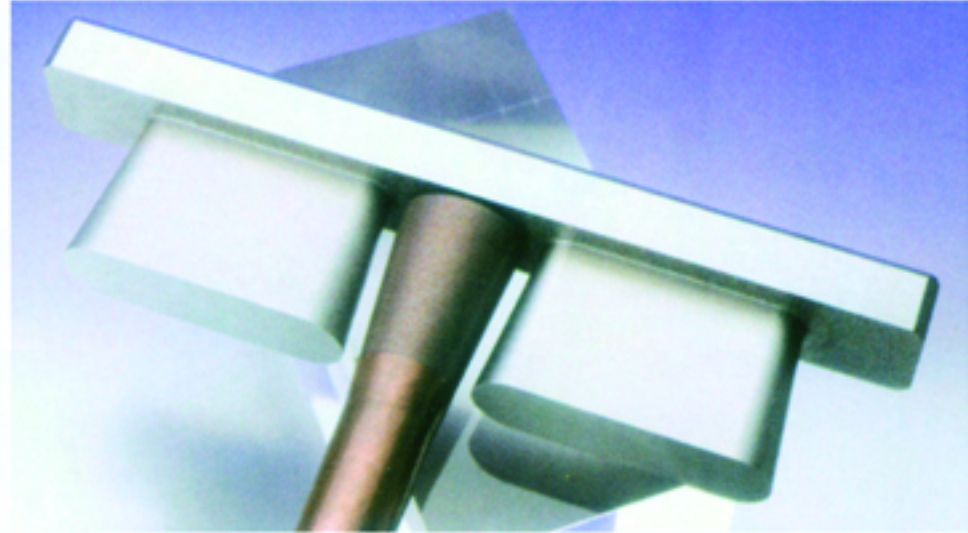
## HIGH-PERFORMANCE MACHINING



Micron level machining accuracy;  
Four holes positioning machining;  
Ensurance of mechanical accuracy and CNC system  
to realize self-detective of workpiece,  
equals to three-dimensional measuring machine

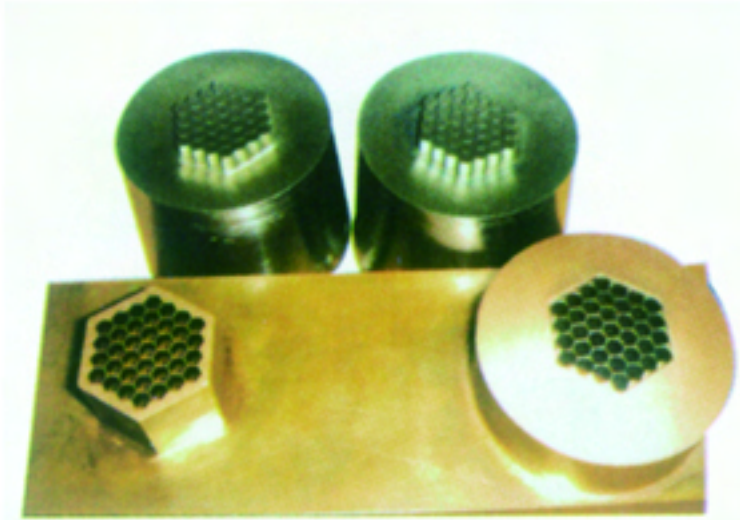
## JOB SAMPLES



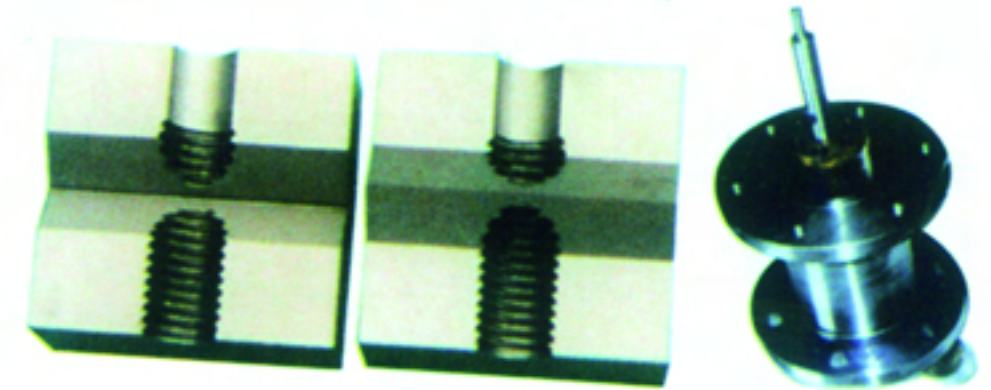


**HIGH-EFFICIENCY MACHINING**

Use high speed tool lifting function of software, spindle lifting speed could be > 6m/min, tracking performance of servo system had been improved significantly.  
High speed lifting can enhance chip removing capacity during discharging, to realize high speed, fast response and stable discharging machining

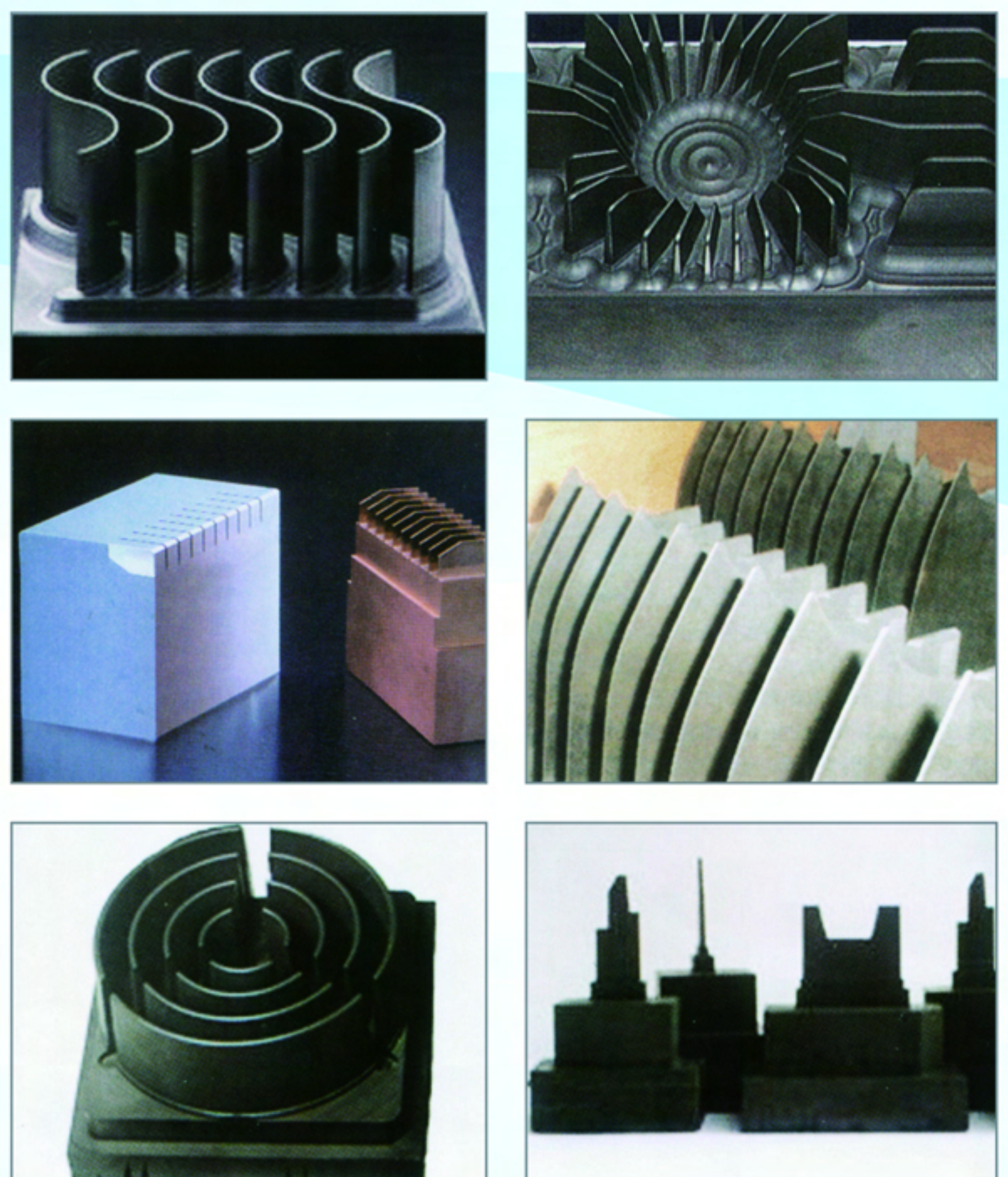
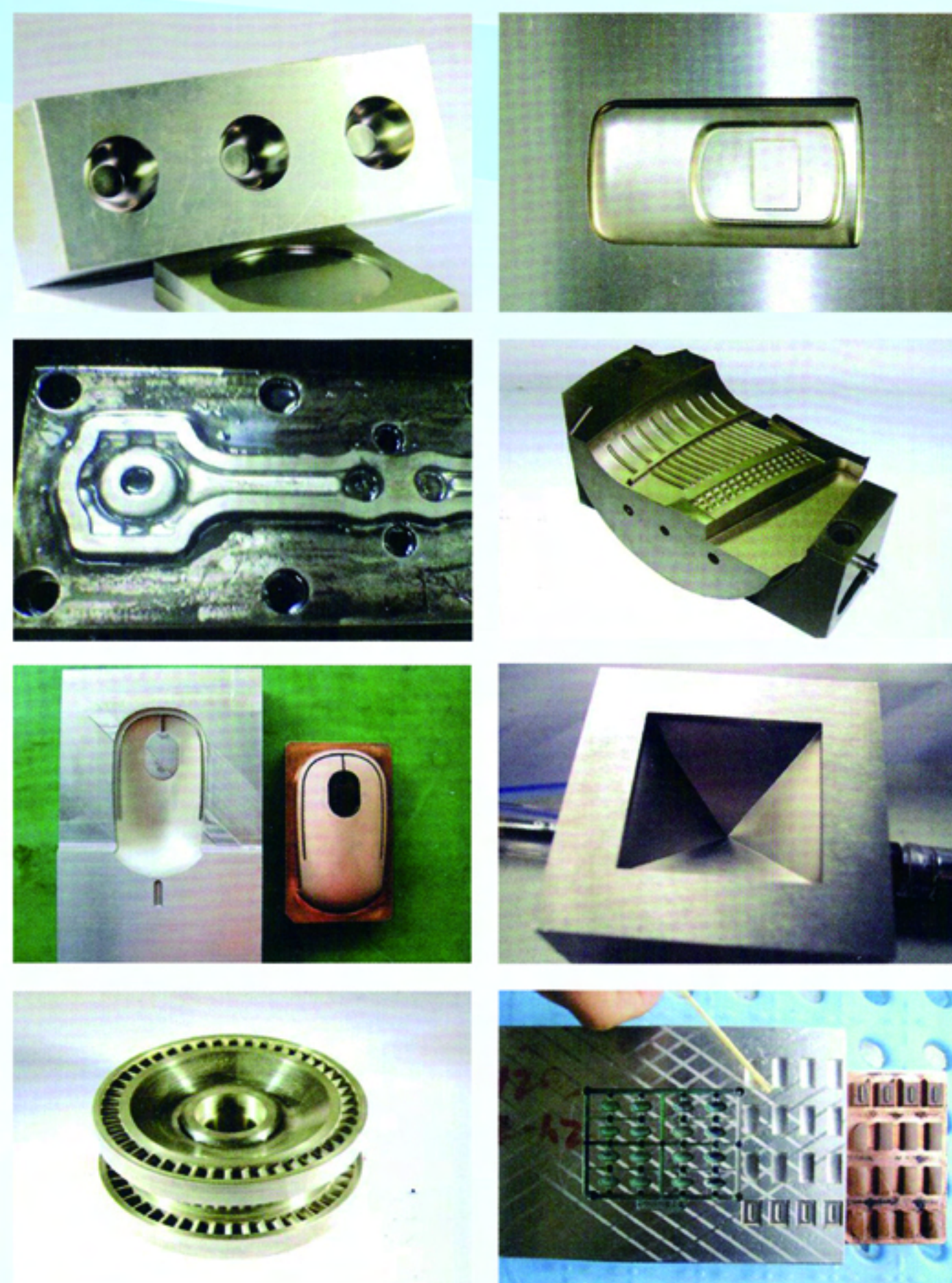


**PRECISION MACHINING  
MOLD OF BIONIC LENS**



**C AXIS MACHINING  
(INNER THREAD MACHINING)  
(OPTIONAL)**

**GRAPHITE ELECTRODE**



# B30

## MIRROR SURFACE EDM

### MAIN FEATURES:

- ◆ Self-adaption discharging control
- ◆ Timed high speed tool lifting
- ◆ Control of height of tool lifting
- ◆ Set-point control of spindle
- ◆ Detection of discharging gap
- ◆ Oil level control
- ◆ Anti-fire control
- ◆ Safety device of automatic alert
- ◆ Anti-carbon-deposition function
- ◆ CNC system
- ◆ Touch screen input
- ◆ Hand control box
- ◆ Automatic measurement of workpiece on machine
- ◆ Precise surface machining
- ◆ Precise edge machining
- ◆ X,Y,Z axis Panasonic servo system
- ◆ Min. wear ratio of electrode 0.10%
- ◆ Best surface finish Ra0.1 $\mu$ m
- ◆ Max. machining efficiency 400mm<sup>3</sup>/min
- ◆ Min. drive unit 1 $\mu$ m
- ◆ X,Y,Z axis Japanese THK linear guideway



main machine		unit	B30
working table(L×W)		mm	600 × 400
table travel	X axis	mm	300
	Y axis	mm	210
	Z axis	mm	270
inner dimension of oil groove		mm	950 × 620 × 360
Max. load of electrode		kg	25
Max. load of table		kg	400
distance from electrode to table	Min.	mm	295
	Max.	mm	565
input power		KVA	10
input voltage		V	380
Max. machining current		A	50
control axes			three-axis simultaneous motion

### B series standard accessories:

marble table, PIKA surface machining circuit, super hard alloy circuit, automatic fire distinguisher, hand control box, working lamp, paper filter, manual electrode chuck, manual, USB memory

## B35 MIRROR SURFACE EDM

### MAIN FEATURES:

- ◆ Self-adaption discharging control
- ◆ Timed high speed tool lifting
- ◆ Control of height of tool lifting
- ◆ Set-point control of spindle
- ◆ Detection of discharging gap
- ◆ Oil level control
- ◆ Anti-fire control
- ◆ Safety device of automatic alert
- ◆ Anti-carbon-deposition function
- ◆ CNC system
- ◆ Touch screen input
- ◆ Hand control box
- ◆ Automatic measurement of workpiece on machine
- ◆ Precise surface machining
- ◆ Precise edge machining
- ◆ X,Y,Z axis Panasonic servo system
- ◆ Min. wear ratio of electrode 0.10%
- ◆ Best surface finish Ra0.1 $\mu$ m
- ◆ Max. machining efficiency 400mm<sup>3</sup>/min
- ◆ Min. drive unit 1 $\mu$ m
- ◆ X,Y,Z axis Japanese THK linear guideway



main machine		unit	B35
working table(L×W)		mm	600 × 400
table travel	X axis	mm	350
	Y axis	mm	250
	Z axis	mm	300
inner dimension of oil groove		mm	950 × 620 × 360
Max. load of electrode		kg	50
Max. load of table		kg	550
distance from electrode to table	Min.	mm	250
	Max.	mm	550
input power		KVA	10
input voltage		V	380
Max. machining current		A	50
control axes			three-axis simultaneous motion

### B series standard accessories:

marble table, PIKA surface machining circuit, super hard alloy circuit, automatic fire distinguisher, hand control box, working lamp, paper filter, manual electrode chuck, manual, USB memory

## BM50 CNC SINKER EDM

### MAIN FEATURES:

- ◆ Self-adaption discharging control
- ◆ Timed high speed tool lifting
- ◆ Control of height of tool lifting
- ◆ Set-point control of spindle
- ◆ Detection of discharging gap
- ◆ Oil level control
- ◆ Anti-fire control
- ◆ Safety device of automatic alert
- ◆ Anti-carbon-deposition function
- ◆ CNC system
- ◆ Touch screen input
- ◆ Hand control box
- ◆ Automatic measurement of workpiece on machine
- ◆ Precise surface machining
- ◆ Precise edge machining
- ◆ X,Y,Z axis Panasonic servo system
- ◆ Min. wear ratio of electrode 0.10%
- ◆ Best surface finish Ra0.2 $\mu$ m
- ◆ Max. machining efficiency 500mm<sup>3</sup>/min
- ◆ Min. drive unit 1 $\mu$ m



main machine		unit	BM50
working table(L×W)		mm	850 × 450
table travel	X axis	mm	500
	Y axis	mm	400
	Z axis	mm	300
inner dimension of oil groove		mm	1350 × 860 × 500
Max. load of electrode		kg	50
Max. load of table		kg	800
distance from electrode to table	Min.	mm	690
	Max.	mm	990
input power		KVA	10
input voltage		V	380
Max. machining current		A	50
control axes			three-axis simultaneous motion

### BM series standard accessories:

super hard alloy circuit, automatic fire extinguisher, hand control box, working lamp, paper filter, manual electrode chuck, manual, USB memory

# BM80

## MAIN FEATURES:

- ◆ Self-adaption discharging control
- ◆ Timed high speed tool lifting
- ◆ Control of height of tool lifting
- ◆ Set-point control of spindle
- ◆ Detection of discharging gap
- ◆ Oil level control
- ◆ Anti-fire control
- ◆ Safety device of automatic alert
- ◆ Anti-carbon-deposition function
- ◆ CNC system
- ◆ Touch screen input
- ◆ Hand control box
- ◆ Automatic measurement of workpiece on machine
- ◆ Precise surface machining
- ◆ Precise edge machining
- ◆ X,Y,Z axis Panasonic servo system
- ◆ Min. wear ratio of electrode 0.10%
- ◆ Best surface finish Ra0.2 $\mu$ m
- ◆ Max. machining efficiency 500mm<sup>3</sup>/min
- ◆ Min. drive unit 1 $\mu$ m



main machine		unit	BM80
working table(L×W)		mm	1150 × 650
table travel	X axis	mm	800
	Y axis	mm	500
	Z axis	mm	400
inner dimension of oil groove		mm	1800 × 1150 × 600
Max. load of electrode		kg	100
Max. load of table		kg	3000
distance from electrode to table	Min.	mm	480
	Max.	mm	880
input power		KVA	10
input voltage		V	380
Max. machining current		A	50
control axes			three-axis simultaneous motion

### BM series standard accessories:

super hard alloy circuit, automatic fire distinguisher, hand control box, working lamp, paper filter, manual electrode chuck, manual, USB memory

## MAIN FEATURES:

- ◆ Precise surface machining
- ◆ Precise edge machining
- ◆ X,Y,Z axis Panasonic servo system
- ◆ Min. wear ratio of electrode 0.10%
- ◆ Best surface finish Ra0.2μm
- ◆ Max. machining efficiency 500mm<sup>3</sup>/min
- ◆ Min. drive unit 1μm
- ◆ Hand control box
- ◆ Touch screen input
- ◆ CNC system
- ◆ Self-adaption discharging control
- ◆ Timed high speed tool lifting
- ◆ Control of height of tool lifting
- ◆ Set-point control of spindle
- ◆ Detection of discharging gap
- ◆ Oil level control
- ◆ Anti-fire control
- ◆ Safety device of automatic alert
- ◆ Anti-carbon-deposition function
- ◆ Automatic measurement of workpiece on machine

# BM100



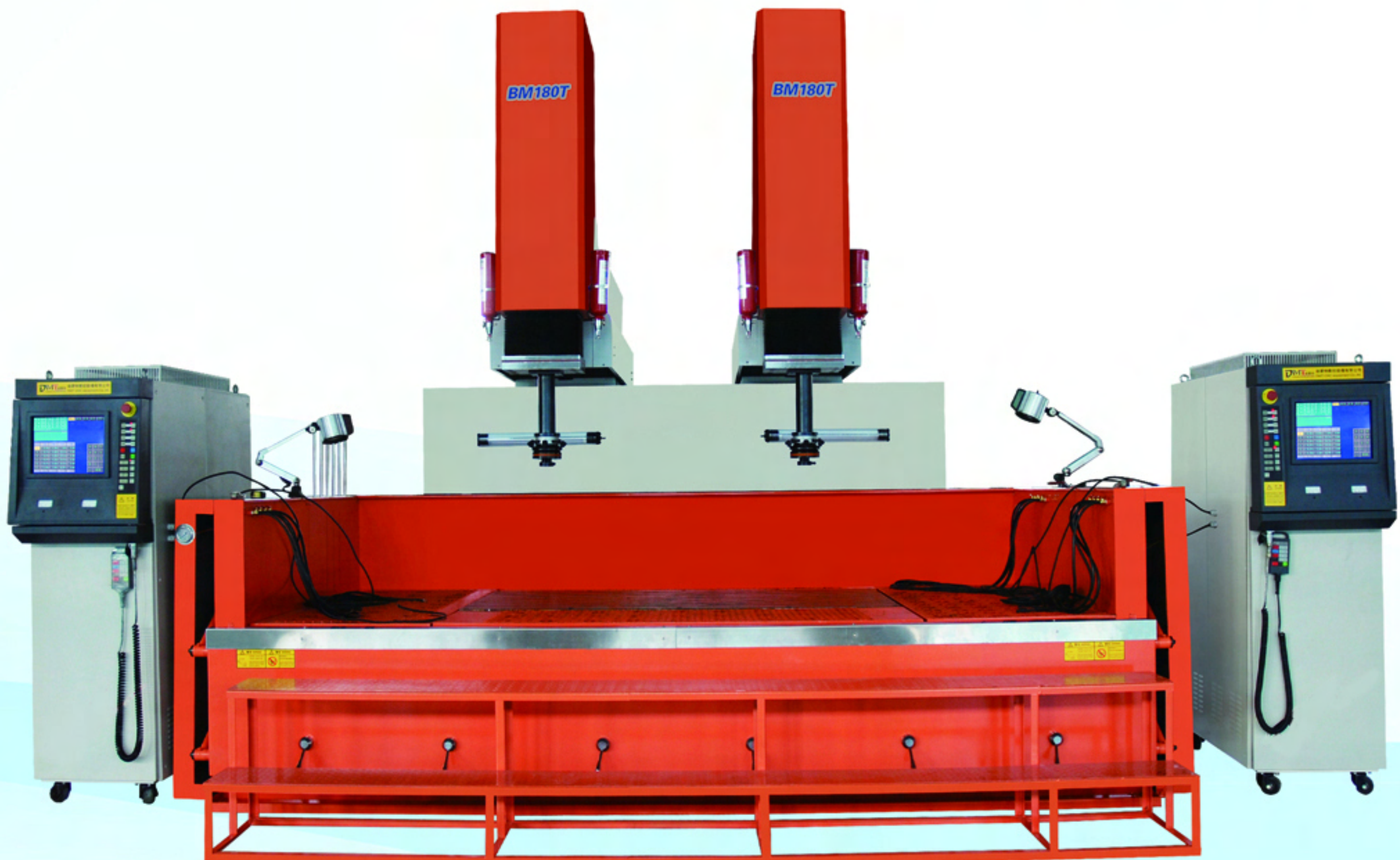
main machine		unit	BM100
working table(L×W)		mm	1250 × 800
table travel	X axis	mm	1000
	Y axis	mm	600
	Z axis	mm	450
inner dimension of oil groove		mm	2000 × 1300 × 700
Max. load of electrode		kg	150
Max. load of table		kg	3500
distance from electrode to table	Min.	mm	550
	Max.	mm	1000
input power		KVA	10
input voltage		V	380
Max. machining current		A	50
control axes			three-axis simultaneous motion

### BM series standard accessories:

super hard alloy circuit, automatic fire extinguisher, hand control box, working lamp, paper filter, manual electrode chuck, manual, USB memory



# BM180T



main machine		unit	BM180T
working table(L×W)		mm	2000 × 1000
table travel	X axis	mm	1800
	Y axis	mm	800
	Z axis	mm	600
inner dimension of oil groove		mm	3500 × 1800 × 650
Max. load of electrode		kg	200
Max. load of table		kg	8000
distance from electrode to table	Min.	mm	600
	Max.	mm	1200
input power		KVA	20 ( 10+10 )
input voltage		V	380
Max. machining current		A	50
control axes			three-axis simultaneous motion

### BM series standard accessories:

super hard alloy circuit, automatic fire extinguisher, hand control box, working lamp, paper filter, manual electrode chuck, manual, USB memory