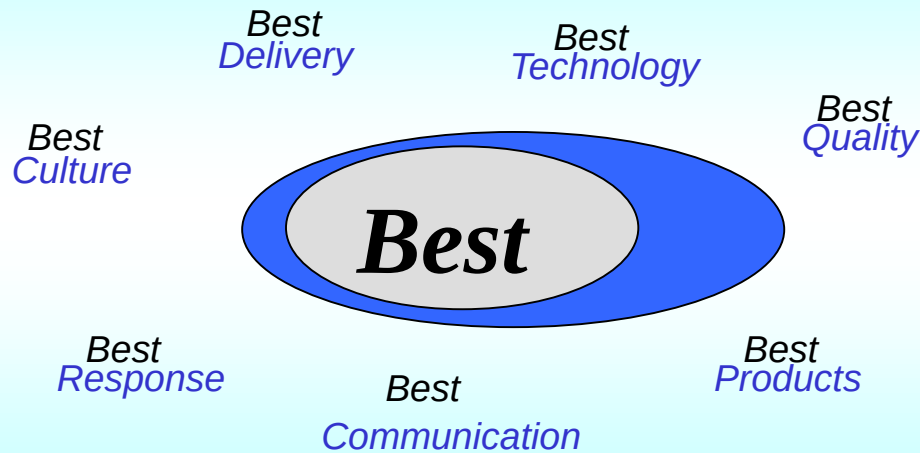


Company Profile

Our Key Words are :



ISO 9001
<CHINA>



ISO 9001

<KOREA>

Company Profile



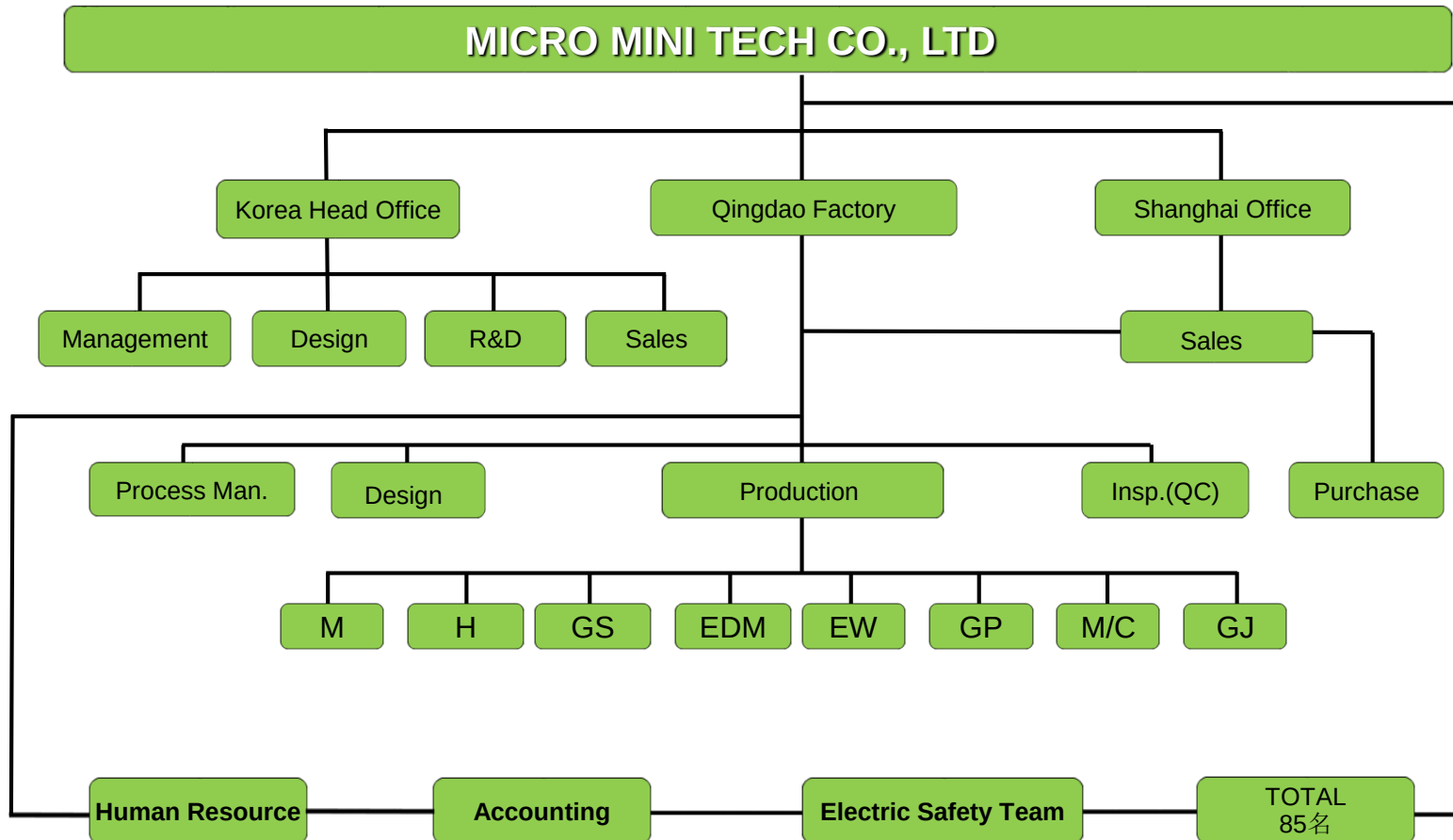
MICRO MINI TECH Co., Ltd. produces all kinds of Devices needed in Semiconductor Packing (or Assembly) Procedure with the high quality and the best service at reasonable price.

- WAFER PARTS
- DIE ATTACH PARTS
- BONDING PARTS
- MOLD DIE SET & SPARE PARTS
- TRIM FORM DIE SET & SPARE PARTS
- TEST HANDLER PARTS
- CONNECTOR & CORE PARTS
- The Other PARTS (CERAMIC, MAGAZINE..)

Company Overview

	MICRO MINI TECH	MICRO MINI TECH CHINA	SHANGHAI OFFICE
ESTABLISHMENT	AUG. 01, 1993.	MAR. 01, 1996	NOV. 01, 2000
LAND SPACE		7,000 m ²	
BUILDING AREA		1,800 m ²	
PAID-UP CAPITAL	USD 140,000.00	USD 1,650,000.00	
CURRENT EMPLOY	8 PERSONS	73 PERSONS	4 PERSONS
			Total : 85 PERSON

Company Organization







Products Information



SINCE AUG. 1993.

MICRO MINI TECH (Korea)

- Sales Headquarter for MICROMINI TECH Group
- R&D for New Generated Package
(BGA. CSP. N/A)
- Design & assembly for tool set



SINCE MAR. 1996.

MICRO MINI TECH (Qing-Dao)

- Fabrication & Machining
for all Kinds of Trim, Form, Mold
Parts & Tool Set
- A Kind of Precision parts
- General Quality Control
Trim / Form / Mold Tool Set
(Manufacturer / R&D)

SINCE JAN. 2006.



SS OTRON Co., Ltd.

[Investment Shares to More Than 28%]

- Auto Trim / Form Machine
- Laser Marking System / Ball Mount System.
- Tape Attach/Detach System
- Auto CCM Lens Assembly System
- Auto CCM Lens Focusing & Image Testing System
- Lens Mount System for Ceramic Power LED
- Overhaul, Maintenance & Development
for any Kinds of Machine
- Any Auto System / Handler

Tool Table for Equipment

No	MACHINE	SIZE	UNIT	Q'TY	MAKER	ORIGIN	REMARKS
1	CNC PROFILE PROJECT GRINDING MACHINE	130X80X70	SET	4	WASINO	JAPAN	OT : 1SET 580H:1SET 680H:1SET 135AS:1SET
2	CNC FORMING GRINDING MACHINE	120X150	SET	1	WASINO	JAPAN	WING:ACE2
3	CNC WIRE CUTTING M/C	1000X2000	SET	4	SODICK	JAPAN	AP200L/AP360L/AG400
				1	CHARMILLE	SWITZERLAND	In KOREA
4	CNC EDM MACHINE	400X600	SET	1	CHARMILLE	SWITZERLAND	In KOREA
		400X600	SET	2		TAIWAN	
		360x600	SET	1	SODICK	JAPAN	AQ360L
5	CNC VERTICAL MACHINING CENTER	450X600	SET	2	PADAL/HYUNDAI	USA/KOREA	
		420X350	SET	1	SODICK	JAPAN	MC430L
				1	HAAS	USA	VF3
6	NC GRINDING MACHINE	600X400	SET	1	AMADA	JAPAN	
7	GRINDING MACHINE	170X350	SET	30	WASINO/CHANG-HAN	JAPAN/KOREA	
8	JIG GRINDING MACHINE	600X380		1	HAUSER	SWITZERLAND	
9	EDM MACHINE	500X400	SET	6	CHARMILLE	SWIZERLAND	S(4)/C(2)
10	MILLING MACHINE	600X400	SET	9	HWACHON	KOREA	
11	LATHE	400X1060	SET	1	TONG-IL	KOREA	
12	SUPER DRILL MACHINE	0.08 ~ 3.0	SET	1	KEUM-MA	CHINA	DD-703X
13	MOLD PRESS FOR TEST		SET	1	FUJIWA	JAPAN	200TON
14	H/TREAT.EQUIP.SUB ZERO.SAND BLAST		SET	5	SAMWON	KOREA	

Precision Machine Tools Image



JIG GRINDING MACHINE

Precision: ± 0.002
Major fabricating for precision hole



CNC WIRE CUTTING M/C

Precision: ± 0.002
Major fabricating for precision hole



CNC EDM MACHINE

Precision: ± 0.005
Major fabricating cavity bar EDM surface



CNC VERTICAL MACHINING CENTER

Precision: ± 0.005
Major fabricating for cavity 电极



CNC MACHINING CENTER

Precision: ± 0.01
Major fabricating cavity bar



CNC PROFILE PROJECT GRINDING MACHINE

Precision: $\pm 0.0001 \sim \pm 0.02$
Major fabricating punch/die pitch

Tool Table for Inspection

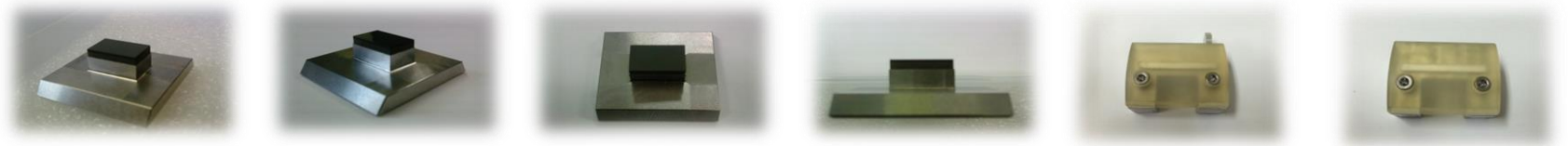
No	MACHINE	SIZE	UNIT	Q'TY	MAKER	ORIGIN	REMARKS
1	CNC MULTI-SENSOR MEASURING SYS	305X200X150	SET	1	MAHR	GERMANY	MS250
				1	TESA	SWITZERLAND	VISIO 300
2	3X-REFLEX 775 BASE MEASURING SYS	700X700X500	SET	1	BROWN	USA	
3	MICROSCOPE MF-A3017B	0~300	SET	1	MITUTOYO	JAPAN	MF-A3017B
4	PROFILE PROJECTER	0~200	SET	1	NIKON	JAPAN	V20B
5	CNC MICRO-HEIGHT GAUGE	0~600	PC	1	TESA	SWITZERLAND	ACCURACY 1 μ
6	CNC 2X-MEASURING	0~500	PC	1	TRIMOS	SWITZERLAND	ACCURACY 1 μ
7	PROFILE PROJECTOR	0~600	SET	1	STARRETT	USA	ACCURACY 2 μ
8	GAUGE BLOCK	0.5~100(103PCS)	SET	56	MITUTOYO	JAPAN	ACCURACY 0.2 μ
9	ROCKWELL HARDNESS	150KG	PC	2	DAE YOUNG	KOREA	
10	HEIGHT GAUGE	0.01~300	PC	5	MITUTOYO	JAPAN	
11	DIGIMATIC INDICATOR	0~50(0.001)	SET	1	MITUTOYO	JAPAN	ACCURACY 1 μ
12	PIN GAUGE	ϕ 0.5~5	PC	2	MITUTOYO	JAPAN	
13	STONE PLATE FOR INSPECTION	450X300X95	PC	53	JUNG WON	KOREA	
		1500X1000X250		2			
14	ELECTRONIC DIGITAL MICROMETER	0~25(0.001)	PC	45	MITUTOYO	JAPAN	
		25~50(0.001)		12			
15	ELECTRONIC DIGITAL CALIPER	0~150(0.01)	PC	45	MITUTOYO	JAPAN	
		0~200(0.01)		4			
		0~300(0.05)		4			
16	INDICATOR	0~0.3(0.001)	PC	53	TESA	SWITZERLAND	
		0~0.2(0.002)		20			
		0~0.8(0.01)		5			
17	SCOPE	60	SET	1	OLYMPUS	JAPAN	
		40		2	DONG WON	KOREA	
18	SURFACE TESTER		SET	1	MITUTOYO	JAPAN	

Parts for Semiconductor

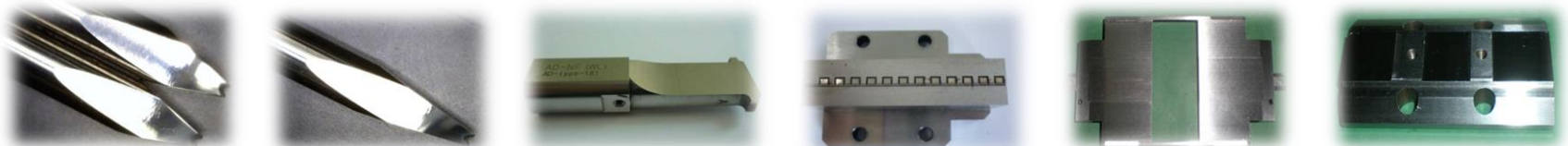
Wafer Parts



Die Attach Parts

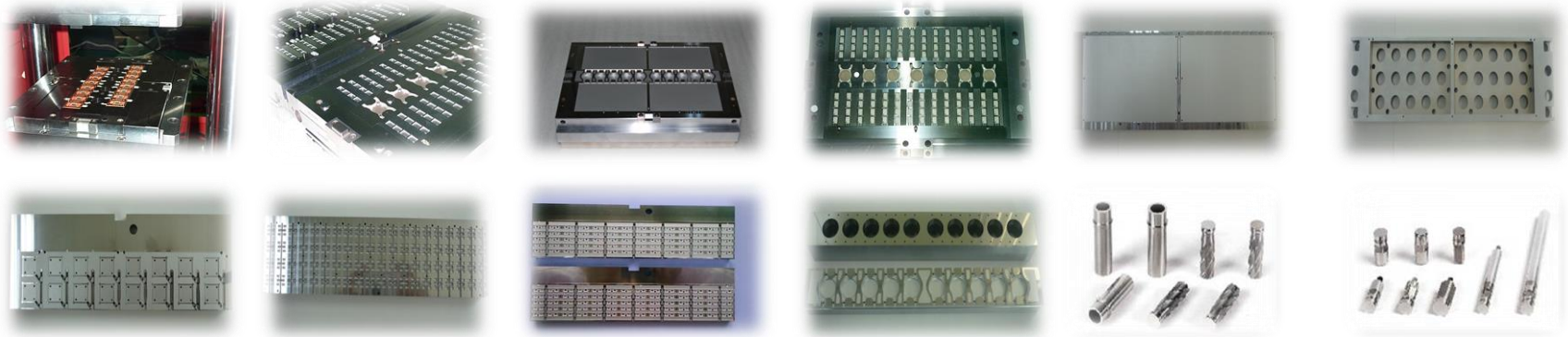


Wire Bonding Parts

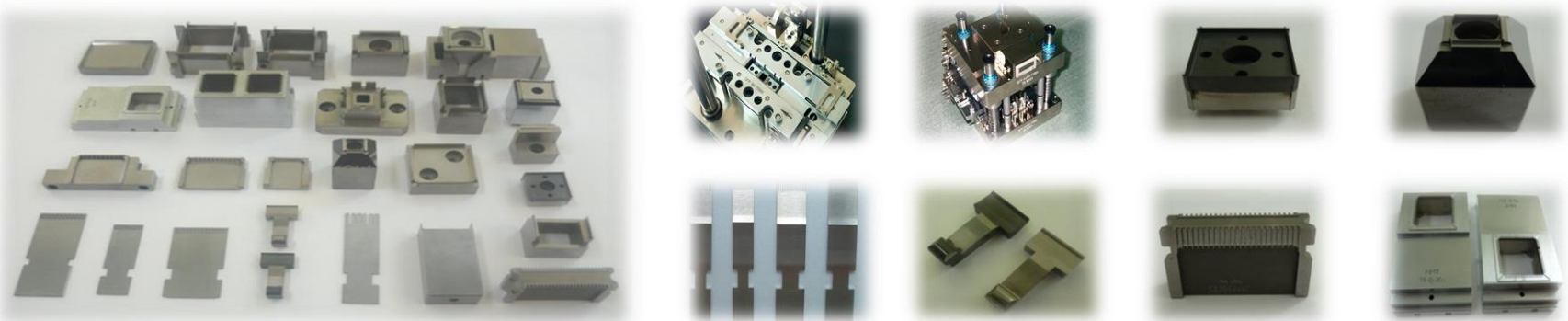


Parts for Semiconductor

Molding Parts

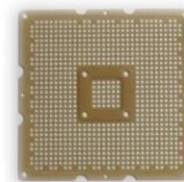
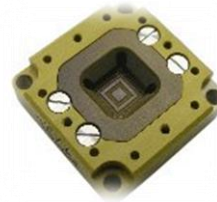


Trim & Form Parts



Parts for Semiconductor

Test Parts



ITEM	SPECIFICATION
Package	All Package
PKG Pitch	Min 0.3mm
Material	Plunger : Sk, Becu
	Spring : Swp - (A, B, H), SUS
	Pipe : BST, PBT
Plating	Ni / Au / PdCo / Ag
Operating Temperature	-50° ~ 250°
Life Time	500,000 Cycle
Contact Resistance	100mΩ Under
Contact Force	15g ~ 40g

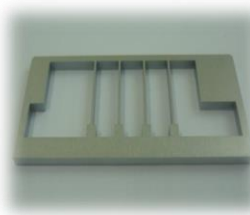
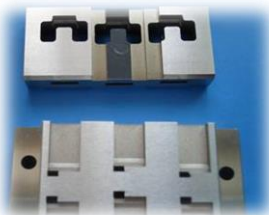
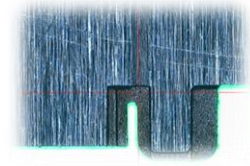
Plunger Shape



Parts for Connector & Core

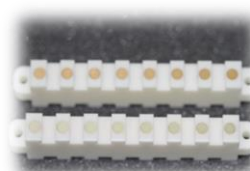
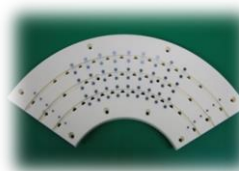
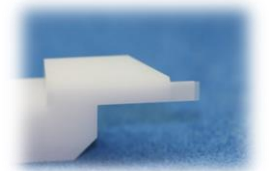
Connector & Core Parts (car, mobile, motor, etc automatic parts....)

X 70 ~ X 200

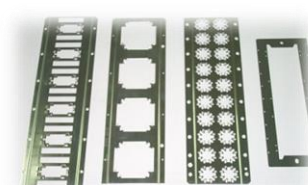


The Other Automatic Parts

Ceramic Parts



Etc Parts





SS OTRON Co., Ltd.

MAIN PARTNER OF MMT (Investment Shares to More Than 28%)

Automatic System & Handler



■ Trim System



■ Form System



■ Form System with
auto tube loader



■ Auto JIG Loading
Inline System



■ Laser Marking System



■ Auto JIG Loading/Unloading
System



■ Loader & Off-loader



■ Pick & Place



■ CSP JIG Separate System



■ Multi Separator



■ Ink Pad Marking System



■ Singulation System

MAIN PARTNER OF MMT (Investment Shares to More Than 35%)

◆ Products Information : MOTOR CORE & CONNECTOR & L/F PARTS

◆ Tool Table for Equipment :

MACHINE	MODEL	MAKER	ORIGIN	Q'TY
GRINDING MACHINE	DSG-520	DAESAN M/C	KOREA	8 SETS
	TFG-M1	AMADA WASINO	JAPAN	1 SET
	PFG-500	OKAMOTO	JAPAN	1 SET
	JS540	JONES/SHIPMAN	U.K (ENGLAND)	1 SET
CNC PROFILE PROJECT GRINDING MACHINE	GLS-5T	AMADA WASINO	JAPAN	1 SET
	PGX-2000	WAIDA	JAPAN	1 SET
	GLS-5P	AMADA WASINO	JAPAN	1 SET
CNC EDM MACHINE	AG 40L	SODIK	JAPAN	1 SET
	A30	SODIK	JAPAN	1 SET
CND WIRE CUTTING MACHINE	AG 600L	SODIK	JAPAN	1 SET

◆ Tool Table for Inspection :

MACHINE	MODEL	MAKER	ORIGIN	Q'TY
PROFILE PROJECTOR	V20B	NIKON	JAPAN	1 SET
	V12A	NIKON	JAPAN	1 SET
OPTICAL MICROSCOPE	SHE645	NIKON	JAPAN	4 SET
DIGIMICRO	MFC-101A	NIKON	JAPAN	12 SET
INDICATOR	0.001	TESA	SWITZERLAND	7 SET

MAIN PARTNER OF MMT (Investment Shares to More Than 30%)

◆ Products Information : POT & PLUNGER & PLUNGER ROD ..

◆ Tool Table for Equipment :

MACHINE	MODEL	MAKER	ORIGIN	Q'TY
CNC PROFILE PROJECT GRINDING M/C	GLS-135AS	WASINO	JAPAN	1 SET
SURFACE GRINDING M/C	JFG-520M	JINYOUNG	KOREA	3 SET
MILLING M/C	TMV11-2	SAEIL	KOREA	1 SET
LATHE	TIPL-4	TONGIL	KOREA	2 SET
EDM M/C	KJS-300	KUKJE	KOREA	2 SET
TOOL GRINDING M/C	SKT-450	SUNG KWANG	KOREA	3 SET
CYLINDRICAL GRINDING M/C	TGU-32	TONGIL	KOREA	6 SET
LAPPING M/C		HAN GANG	KOREA	3 SET
PLOTTER	PG-620	MUTO	JAPAN	1 SET

◆ Tool Table for Inspection :

MACHINE	MODEL	MAKER	ORIGIN	Q'TY
ROUNDNESS CYLINDERICITY SYSTEM	EC1850	KOSAKA	JAPAN	1 SET
OPTICAL MICROSCOPE	VML250	3D FAMILY	TIWAN	1 SET
MICRO-HITE	M600	TESA	SWITZERLAND	1 SET
BORE GAUGE	7.5~10 , 11~18	MITUTOYO	JAPAN	3 SET
MICRO METER	0.001	TESA	SWITZERLAND	10 SET

THANKS FOR YOUR ATTENTION !

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