

深圳市金亿达科技有限公司

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深圳市金亿达科技有限公司是一家专业从事半导体集成电路封装和光电子产业配件生产商，主要经营的产品有以下系列：

- 1.全自动 LED 固晶、共晶设备的设计与生产，同时生产扩晶机、背胶机、ASM、KS 等机器的固晶、焊线治具的制作。
- 2.各种 D/B W/B COB 设备夹具设计与加工。
- 3.打火杆 EFO、拉力钩针 WIRE HOOK、推刀、劈刀螺丝；各种 DIE BOND 上芯设备的陶瓷吸嘴、橡胶吸嘴、钨钢吸嘴 电木吸嘴、钨钢顶针、压模头 点胶头。
- 4.长期收购、销售二手粘片、打线设备

我公司拥有一批专业的技术人员，拥有先进管理理念和加工设备，并有严格的质量控制体系，我们坚持质量为先 做百年老店的经营理念，致力于提升国内半导体设备及配件的竞争优势。

公司产品目录

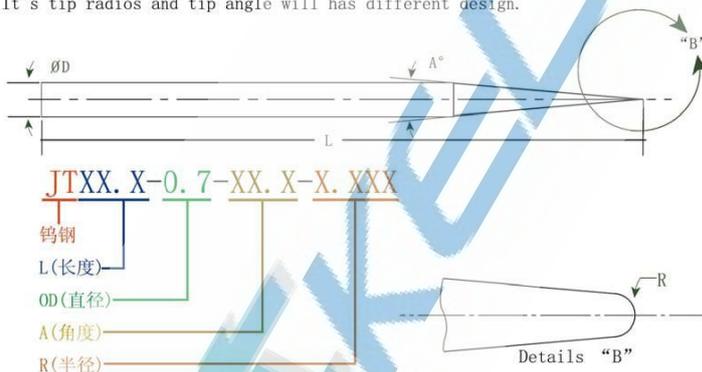
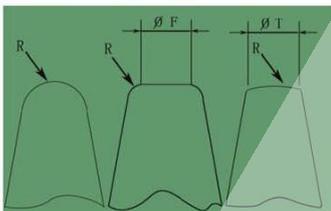
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顶针系列

Ejector needles

Ejector Needles被用于自动封装机上面，顶针推起具有黏合薄膜的聚氯乙烯的软片，通过机械手工具抓住芯片，非常优美而光滑小角度锥角可以非常柔和地渗透进软片当中，由于软片的尺寸有差异，更多的顶针被重复地应用在更高精度的封装行业当中。一般采用钨钢和高速钢两种材质制作，产品规格多样，长度8mm—20mm不等，角度从6°—90°均能生产，最小顶端圆弧半径可做到0.010，精度在3μm内。

This product design for IC assembly die attache process on die bonder machine. It's used to push up dice when the dice be picked & placed on leadframe PAD. Material is made by harden steal or carbide. Base difference die size, It's tip radius and tip angle will has different design.



型 号	长度 (L)	直径 (OD)	角度 (A)	弧度 (R)
JT08.0-0.7-10.0-0.010	8	0.7	10°	0.010
JT11.0-0.7-10.0-0.015	11	0.7	10°	0.015
JT15.0-0.7-10.0-0.018	15	0.7	10°	0.018
JT15.0-0.7-10.0-0.022	15	0.7	10°	0.022
JT17.0-0.7-10.0-0.022	17	0.7	10°	0.022
JT17.0-0.7-10.0-0.025	17	0.7	10°	0.025
JT15.0-0.7-15.0-0.010	15	0.7	15°	0.010
JT15.0-0.7-15.0-0.015	15	0.7	15°	0.015
JT15.0-0.7-15.0-0.018	15	0.7	15°	0.018
JT17.0-0.7-15.0-0.022	17	0.7	15°	0.022
JT17.0-0.7-15.0-0.025	17	0.7	15°	0.025
JT18.0-0.7-10.0-0.025	18	0.7	10°	0.025
JT18.0-0.7-10.0-0.050	18	0.7	10°	0.050
JT19.0-0.7-10.0-0.075	19	0.7	10°	0.075
JT19.0-0.7-08.0-0.100	19	0.7	8°	0.100
JT20.0-0.7-15.0-0.125	20	0.7	15°	0.125
JT20.0-0.7-20.0-0.200	20	0.7	20°	0.200
JTXX.X-0.7-XX.X-X.XXX	XX	0.7	XX°	X.XXX

备注：我司可根据贵公司具体需求定制产品

打火杆系列

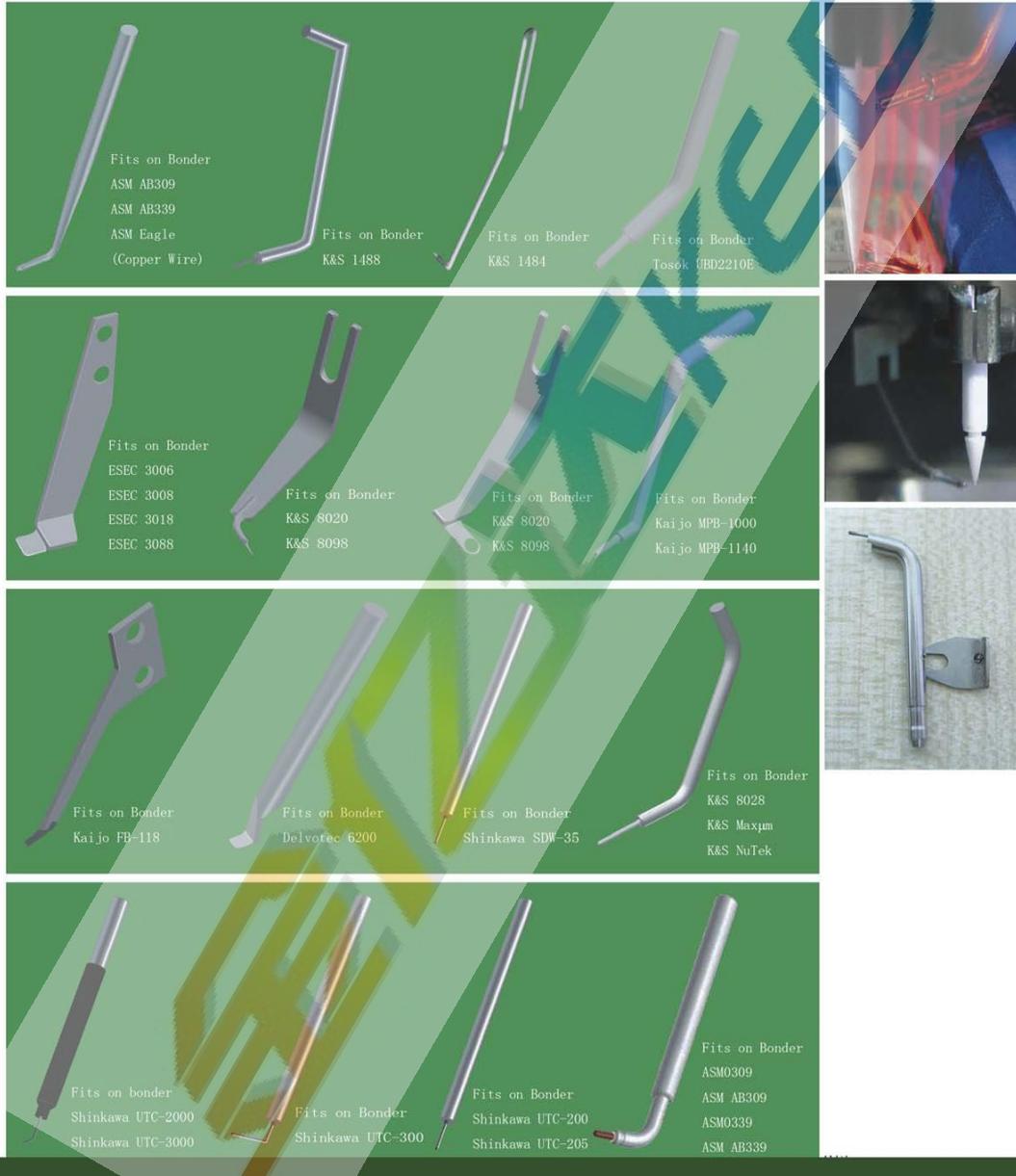
Electronic Flame OFF

打火杆系列

Electronic Flame OFF

本产品为集成电路焊线工艺的全自动焊线机而设计，它是用来电火花燃烧金线并生成球状的导电杆子。通常该配件由铜材或者专门的钢材制造，而我们公司产品采用99.99%纯铂金打造，表面经过有耐腐蚀强化处理。根据焊线机设备类型的不同，以及所焊线的线径差异，该配件的设计和参数会有多种不同的设计。

This product design for IC assembly wire bonding process on wire bonder machine. It's a stick when the function of electric flame off to burn the ball of gold wire. Material is made by stainless steel / harden steel or carbide, surface be treatment as Pt. or crimped etc.. Good conductivity.



高温吸嘴

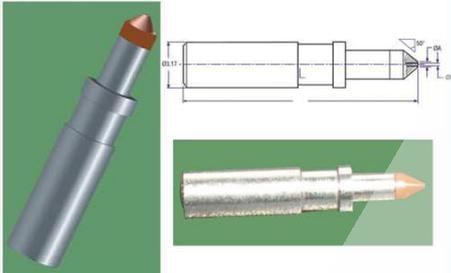
High-temperature Plastic Tools

This product design for IC assembly die attache process on die bonder machine. It's used on pick & place function ,when a dice be transferred from mounting tape to LF PAD. Material be made by Hi-Temp plastic & stainless steel or steel body .This product can be used on special condition, like Hi-Temperature (Over 250 Degree) and very fine chips.



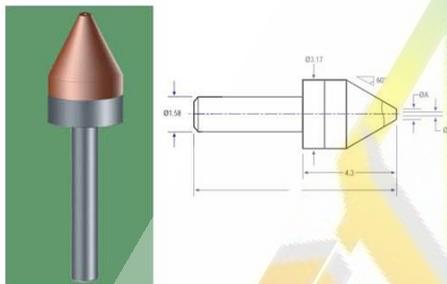
电木吸嘴，钨钢吸嘴，用于拾放，运作，贴片需求特殊设计的工具。采用美国杜邦材料，能耐480° 高温适用于常温和高温环境下工作。我们研制的电木吸嘴，钨钢吸嘴品种多样适用于ASM, KNS, KAIJO, SHINKAWA, ESEC等设备，最小内孔可做到0.08mm，用于共晶或软焊料芯片的粘合，如半导体，LED等。可根据客户的需求定做加工！

高温胶木吸嘴SHINKAWA系列



型号	杆径D	长度L	φ A	φ B
SKW-15.9MM-VES-CT-008-003	3.175	15.9	0.200	0.075
SKW-15.9MM-VES-CT-008-004	3.175	15.9	0.200	0.010
SKW-15.9MM-VES-CT-010-005	3.175	15.9	0.250	0.125
SKW-15.9MM-VES-CT-012-006	3.175	15.9	0.300	0.150
SKW-15.9MM-VES-CT-014-007	3.175	15.9	0.350	0.175
SKW-15.9MM-VES-CT-016-008	3.175	15.9	0.400	0.200
SKW-16.9MM-VES-CT-008-004	3.175	16.9	0.200	0.010
SKW-19.0MM-VES-CT-010-005	3.175	19.0	0.250	0.125
SKW-XX.XMM-VES-CT-XXX-XXX	X.XXX	XX.X	X.XXX	X.XXX

高温胶木吸嘴ESEC系列



型号	杆径D	长度L	φ A	φ B
ESEC-9.3MM-VES-CT-008-003	1.580	9.3	0.200	0.075
ESEC-9.3MM-VES-CT-008-004	1.580	9.3	0.200	0.010
ESEC-9.3MM-VES-CT-010-005	1.580	9.3	0.250	0.125
ESEC-9.3MM-VES-CT-012-006	1.580	9.3	0.300	0.150
ESEC-9.3MM-VES-CT-014-007	1.580	9.3	0.350	0.175
ESEC-11MM-VES-CT-008-004	1.580	11	0.400	0.200
ESEC-14MM-VES-CT-010-005	1.580	14	0.500	0.250
ESEC-15MM-VES-CT-030-015	1.580	15	0.750	0.375
ESEC-XXMM-VES-CT-XXX-XXX	X.XXX	X.X	X.XXX	X.XXX



高温吸嘴

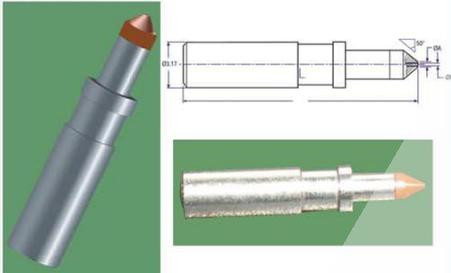
High-temperature Plastic Tools

This product design for IC assembly die attach process on die bonder machine. It's used on pick & place function, when a dice be transferred from mounting tape to LF PAD. Material be made by Hi-Temp plastic & stainless steel or steel body. This product can be used on special condition, like Hi-Temperature (Over 250 Degree) and very fine chips.



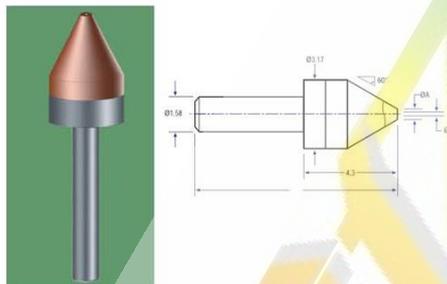
电木吸嘴，钨钢吸嘴，用于拾放，运作，贴片需求特殊设计的工具。采用美国杜邦材料，能耐480°高温适用于常温和高温环境下工作。我们研制的电木吸嘴，钨钢吸嘴品种多样适用于ASM, KNS, KAIJO, SHINKAWA, ESEC等设备，最小内孔可做到0.08mm，用于共晶或软焊料芯片的粘合，如半导体，LED等。可根据客户的需求定做加工！

高温胶木吸嘴SHINKAWA系列



型号	杆径D	长度L	φ A	φ B
SKW-15.9MM-VES-CT-008-003	3.175	15.9	0.200	0.075
SKW-15.9MM-VES-CT-008-004	3.175	15.9	0.200	0.010
SKW-15.9MM-VES-CT-010-005	3.175	15.9	0.250	0.125
SKW-15.9MM-VES-CT-012-006	3.175	15.9	0.300	0.150
SKW-15.9MM-VES-CT-014-007	3.175	15.9	0.350	0.175
SKW-15.9MM-VES-CT-016-008	3.175	15.9	0.400	0.200
SKW-16.9MM-VES-CT-008-004	3.175	16.9	0.200	0.010
SKW-19.0MM-VES-CT-010-005	3.175	19.0	0.250	0.125
SKW-XX.XMM-VES-CT-XXX-XXX	X.XXX	XX.X	X.XXX	X.XXX

高温胶木吸嘴ESEC系列



型号	杆径D	长度L	φ A	φ B
ESEC-9.3MM-VES-CT-008-003	1.580	9.3	0.200	0.075
ESEC-9.3MM-VES-CT-008-004	1.580	9.3	0.200	0.010
ESEC-9.3MM-VES-CT-010-005	1.580	9.3	0.250	0.125
ESEC-9.3MM-VES-CT-012-006	1.580	9.3	0.300	0.150
ESEC-9.3MM-VES-CT-014-007	1.580	9.3	0.350	0.175
ESEC-11MM-VES-CT-008-004	1.580	11	0.400	0.200
ESEC-14MM-VES-CT-010-005	1.580	14	0.500	0.250
ESEC-15MM-VES-CT-030-015	1.580	15	0.750	0.375
ESEC-XXMM-VES-CT-XXX-XXX	X.XXX	X.X	X.XXX	X.XXX

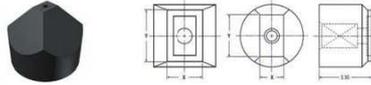


橡胶吸嘴

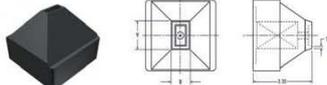
Rubber Pick-up Tips

橡胶吸嘴用于拾放，运作，贴片需求特殊设计的工具，分常温 and 高温两种，品种多样，采用进口橡胶，最小孔径0.1 mm，适用于ASM, KNS, ESEC, KAIJO, SHINKAWA等多种设备。产品具有耐480° C高温、防静电、工艺精密、高寿命等特点。

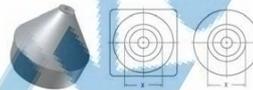
This product design for IC assembly die bonding process on die bonder machine. It's a rubber pick up tool of dice when die bonder transfer dice from mounted tape to LF's PAD Material is made by conductivity special rubber etc. It required with a property good electronic conducting, and it also require on cleaning condition and softest on surface. Ref. different Die size and special assembly process requirement, the tip size of rubber put have a lot types.



PARTS	NO DIMENSIONS		RUBBER TIP HOLDER
	INCH	MM	
RR-010-010	0.010X0.010	0.25X0.25	1.6 RSC Holder
RR-020-040	0.020X0.040	0.50X1.00	2.0 RSC Holder
RR-060-080	0.060X0.080	1.50X2.00	2.6 RSC Holder
RR-170-170	0.170X0.170	4.32X4.32	1.6 RSB Holder
RR-XXX-XXX	X.XX X X.XX	X.XX X X.XX	1.6 RSB Holder



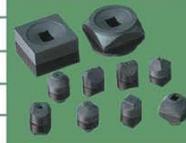
PARTS	NO DIMENSIONS		RUBBER TIP HOLDER
	INCH	MM	
RR-010-010	0.010X0.010	0.25X0.25	1.6 RSC Holder
RR-020-040	0.020X0.040	0.50X1.00	2.0 RSC Holder
RR-060-080	0.060X0.080	1.50X2.00	2.6 RSC Holder
RR-170-170	0.170X0.170	4.32X4.32	1.6 RSB Holder
RR-XXX-XXX	X.XX X X.XX	X.XX X X.XX	1.6 RSB Holder



PARTS	NO DIMENSIONS		RUBBER TIP HOLDER
	INCH	MM	
NHTR-010	0.010	0.25	1.6 RSB Holder
NHTR-016	0.016	0.40	1.6 RSB Holder
NHTR-020	0.020	0.50	1.6 RSB Holder
NHTR-040	0.040	1.02	1.6 RSB Holder
NHTR-045	0.045	1.14	1.6 RSB Holder
NHTR-050	0.050	1.27	1.6 RSB Holder
NHTR-060	0.060	1.52	1.6 RSB Holder
NHTR-070	0.070	1.78	1.6 RSB Holder
NHTR-080	0.080	2.03	1.6 RSB Holder
NHTR-090	0.090	2.29	1.6 RSB Holder
NHTR-100	0.100	2.54	1.6 RSB Holder
NHTR-110	0.110	2.79	1.6 RSB Holder
NHTR-XXX	0.XXX	X.XX	1.6 RSB Holder



PARTS NO		DIMENSION B		DIMENSION C		DIMENSION A		HOLDERS
2-Step Two Sided Rubber Collet		(GAP)		(DIE ENGAGEMENT)		X N Y SIDE		
X-SIDE	Y-SIDE	INCH	MM	INCH	MM			
Die Size: 0.279"/7.09MM	X 0.301"/7.64MM	0.006	0.152	0.006	0.152	X-SIDE	RSC	
Die Size: 0.282"/7.16MM	X 0.288"/7.31MM	0.006	0.152	0.006	0.152	X-SIDE	RSC	
Die Size: 0.288"/7.31MM	X 0.291"/7.39MM	0.006	0.152	0.006	0.152	X-SIDE	RSC	
Die Size: 0.288"/7.31MM	X 0.288"/7.31MM	0.006	0.152	0.006	0.152	X-SIDE	RSC	

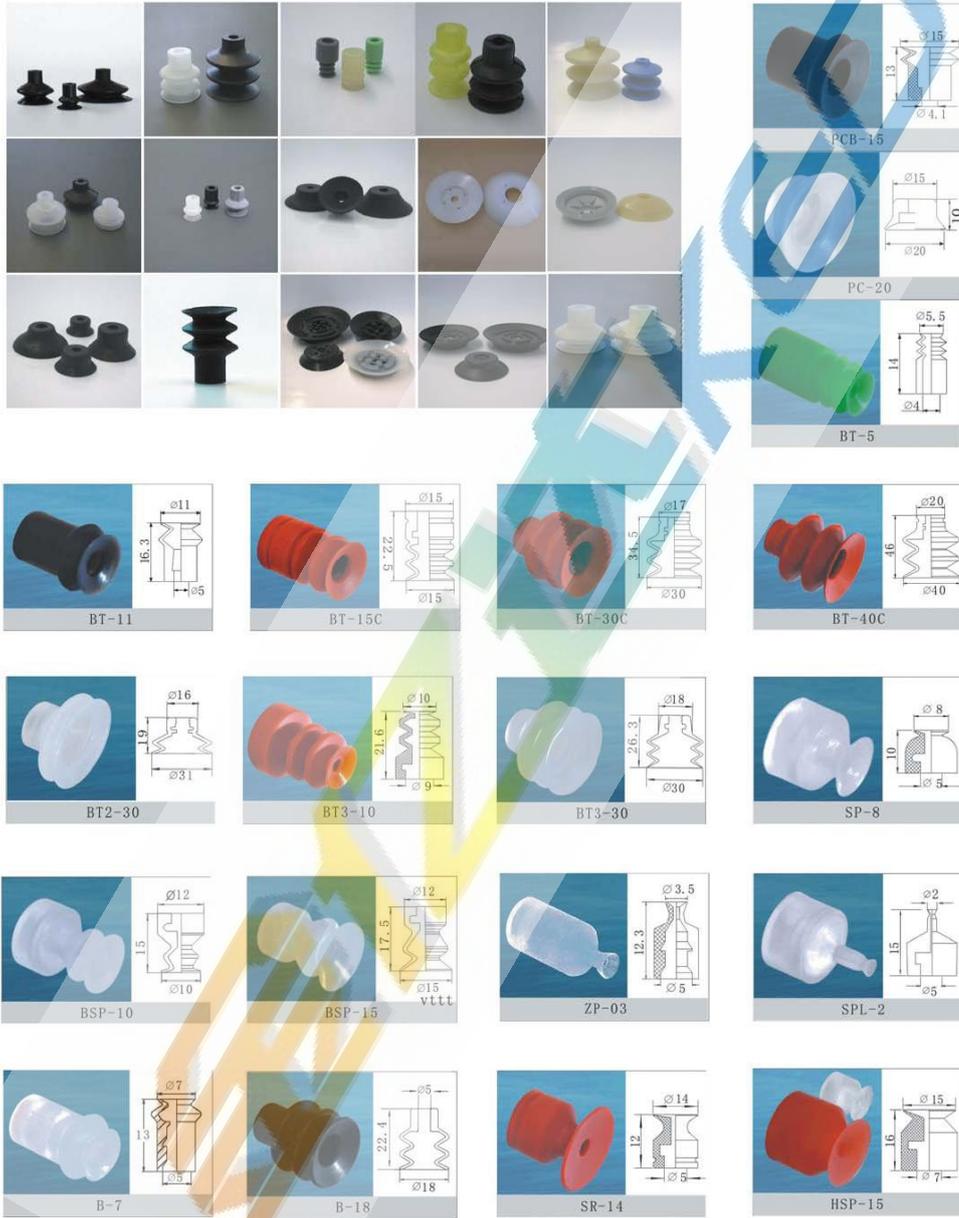


真空吸盘

Vacuum cup

真空吸盘是一种带密封唇边的抓取工具，在与被吸物体接触后形成一个临时性的密封空间，通过抽走或者稀薄密封空间里面的空气，产生内外压力差而进行工作的一种气动元件。采用进口橡胶材料所造，吸取或者放下工件时不会对工件造成任何损伤。不管被吸物体是什么材料做的，只要能密封，不漏气，均能使用。

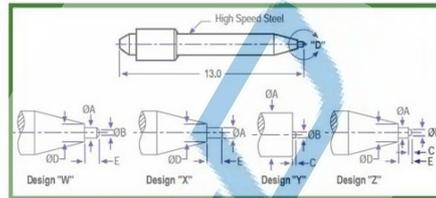
This product design for IC assembly die bonding process on die bonder machine. It's a tip of lead frame pickup assembly when die bonder loading lead frame. Shanghai GD Electronics-Engineering Co. Ltd. Material is made by steel or rubber etc. It required with a property good suction force and the best a structure is speaker tip.



点胶头

Epoxy Dispensing Tools

Our Epoxy Dispensing Tools (EDT), for die attach applications, are available in many designs to cater to your dispensing needs. EDT's are used in conjunction with appropriate equipment controlling the air/nitrogen dispensing pressure and time. Consistent coverage and void free adhesion are the main criteria to be satisfied. In order to achieve these, precise fabrication and optimized tool design must be properly carried out.



Part No.	A		B		C	
	inch	mm	inch	mm	inch	mm
Z10-01-01	0.010	0.254	0.004	0.102	0.004	0.102
Z12-05-04	0.012	0.305	0.005	0.127	0.004	0.102
Z14-06-04	0.014	0.356	0.006	0.152	0.004	0.102
Z12-04-04	0.012	0.305	0.004	0.102	0.004	0.102
Z14-04-04	0.014	0.356	0.004	0.102	0.004	0.102
Z16-04-04	0.016	0.406	0.004	0.102	0.004	0.102
Z14-04-02	0.014	0.356	0.004	1.102	0.002	0.050
Z20-04-02	0.020	0.508	0.004	1.102	0.002	0.050
Z12-05-05	0.012	0.305	0.005	0.127	0.005	0.127



针筒



不锈钢精密针头



标准针头



TT斜式针头

ASM-AD809-235	CST-227-070	CST-06-250	SHINKAWA-3145	ESEC2006-250
CST-271-130	CST-130-240	CST-186-275	CST-53-295	CST-179-150
CST-283-200	KNS-233-134	ESEC2007-190	ESEC2007A-190	CST-383-255

钨钢吸嘴

Metal Collet

本产品为集成电路封装工艺的晶粒自动贴片机而设计。它就是自动贴片机把晶粒从所贴的载体膜上转移到引线框架上所用到的晶粒拾取工具。其材料通常由硬质合金钢/钨钢制造，有比较长的使用寿命要求等。

This product design for IC assembly die bonding process on die bonder machine. It's a pick up tools of IC dice when die bonder transfer dice from mounted tape to PAD of lead frame. Material is made by carbide steel or harden steel etc. It be required with long life and a property good electronic conducting to protect the ESD issues.

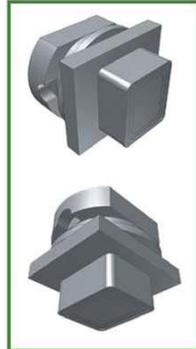


型号	杆径 (D) mm	L (mm) 长度	φ A	φ B
2102-14-W-CT-008-004	3.175	14	0.200	0.100
2102-14-W-CT-010-005	3.175	14	0.250	0.125
2102-14-W-CT-012-006	3.175	14	0.300	0.150
2102-14-W-CT-014-007	3.175	14	0.350	0.175
2102-14-W-CT-016-008	3.175	14	0.400	0.200
2102-14-W-CT-020-010	3.175	14	0.500	0.250
2102-17-W-CT-008-004	3.175	17	0.200	0.100
2102-17-W-CT-010-005	3.175	17	0.250	0.125
2102-19-W-CT-008-004	3.175	19	0.200	0.100
2102-20-W-CT-008-004	3.175	20	0.200	0.100
2102-XX-W-CT-XXX-XXX	3.175	XX	X.XXX	X.XXX

橡胶吸嘴杆

<p>ESEC 2006</p>	<p>ESEC 2008</p>
<p>ESEC 2007</p>	<p>ESEC 2008</p>
<p>ASM</p>	<p>SHINKAWA</p>
<p>KS 6100</p>	<p>KS 6300</p>

压膜头

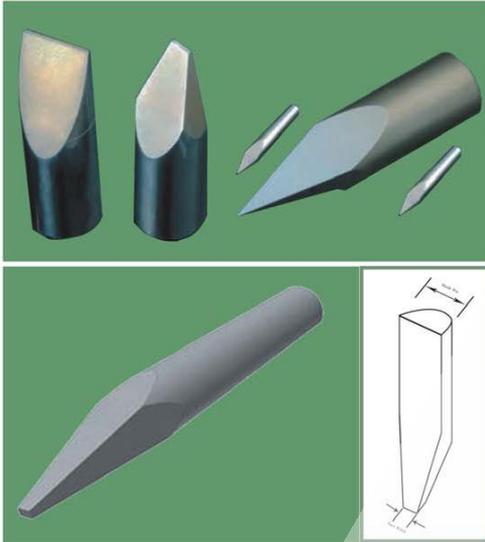


推刀系列

Shear Tool

提供BOND TEST用钩针, 推刀。金丝钩针采用进口高速弹簧钢制作而成, 硬度更高, 韧性更强, 品质更好。最小可做到20μ。推刀采用钨钢材质, 为客户测试提供高精度产品。可根据客户要求定制。

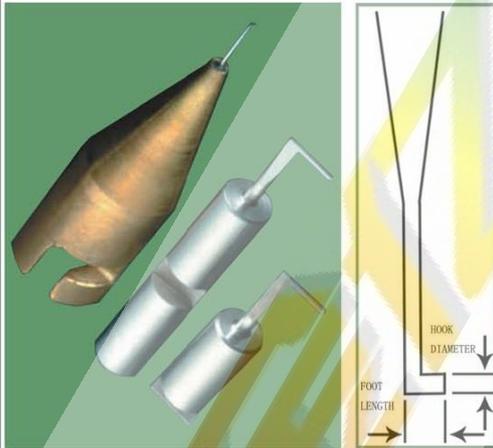
Super-Micro provide shear tool specification and hook specification to bond test. we are able to provide high degree of accuracy products of test. hook specification was made of imported high-speed steel, with a better hardness and toughness. the shear tool specification adopted tungsten steel.



SHEAR TOOL SPECIFICATION

Part Number	Shank Dia (mil)	Face Width (mil)	Max Shear Force (gm)	Type of Application
14-SH062003	62	3	200	BS
14-SH062004	62	4	200	BS
14-SH062006	62	6	500	BS
14-SH062010	62	10	500	BS
14-SH062012	62	12	500	BS / SS
14-SH062016	62	16	500	BS / SS
14-SH062020	62	20	1000	SS / DS
14-SH187030	187	30	5000	SS / DS
14-SH187050	187	50	20000	DS
14-SH187100	187	100	20000	DS
14-SH187150	187	150	20000	DS
14-SH250220	250	220	100000	DS
14-SH250354	250	354	100000	DS

钩针系列



HOOK SPECIFICATION

Part Number	Machine Model	Shank Dia (mil)	Foot Length (mil)	Hook Dia (mil)	Max Pull Force (gm)
14-4000HK0501	4000	NA	5	1	10
14-4000HK0502	4000	NA	5	2	20
14-4000HK0603	4000	NA	6	3	50
14-4000HK1003	4000	NA	10	3	50
14-4000HK1006	4000	NA	10	6	200
14-4000HK2010	4000	NA	20	10	500
14-4000HK2515	4000	NA	25	15	1000
14-4000HK3525	4000	NA	35	25	5000
14-4000HK4035	4000	NA	40	35	10000
14-HK470502	2400PC	47	5	2	20
14-HK470603	2400PC	47	6	3	50
14-HK471003	2400PC	47	10	3	50
14-HK652010	2400PC	65	20	10	500

瓷嘴系列



精密配件加工

