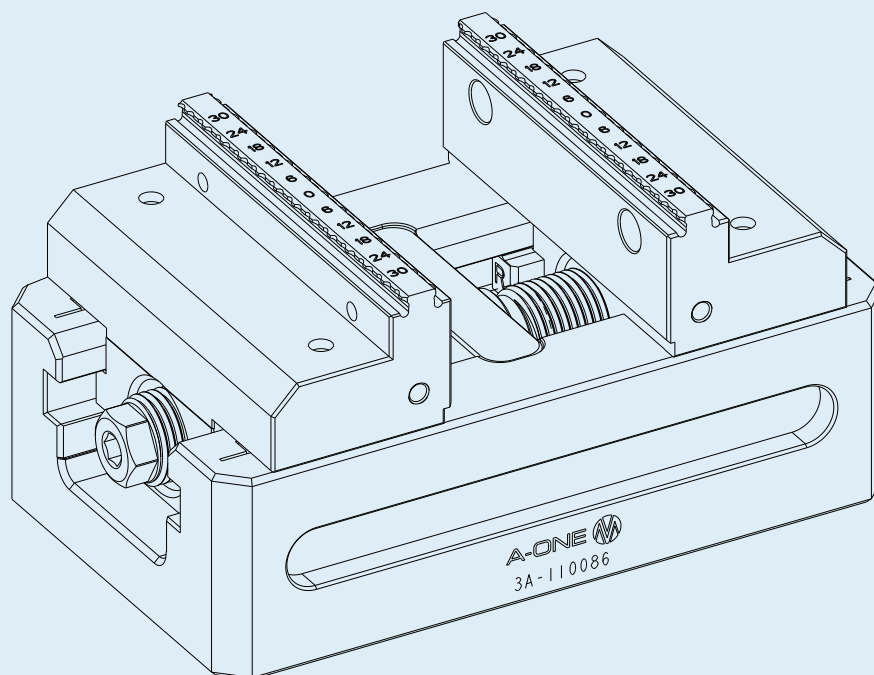


自定心虎钳

Self Centering Vise



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Please visit our homepage for the latest product information、 company information, etc.

<http://www.szjztools.com>

<http://www.system3a.com>

公司简介

深圳市精钻智能制造有限公司自2000年成立以来，秉承“精益求精，钻石服务”的经营理念，不断引进先进的设备及技术，生产高品质、稳定可靠的产品，为客户创造更多价值。现有牧野（MAKINO）、哈斯（HAAS）数控加工中心；大隈（OKUMA）数控车床，琼格（JUNG）数控成型磨床、克林伯格（KELLENBERGER-100）数控内外圆磨床、摩尔（MOORE）坐标磨床及蔡司（ZEISS）三次元等先进的制造设备及检测仪器，经过20年多年的技术沉淀及经验积累，已发展成具有一定规模的生产企业。

公司主要生产：零点快换夹具系列；电极制造夹具系列；自定心虎钳及燕尾槽夹具系列；夹头、导套等轴类产品系列，广泛应用于模具电极制造和零件加工领域，适用于加工中心、数控车床、电火花机、线切割等设备，凭借产品丰富、品质稳定、价格合理，赢得客户的信赖与支持，产品远销美国、俄罗斯、德国、瑞士、意大利、法国、西班牙、以色列、日本、韩国等国家。

并于2022年苏州生产基地正式竣工投产，使用面积达25000平方米，为高品质、批量化生产提供强有力保证，并承接非标夹具设计、精密零件及OEM委托制造服务，助您开创事业新版图。

精钻公司始终坚持：为企业及行业发展有所贡献而奋斗，我们以此为目标，专注行业发展，洞察客户需求，统合综效，以双赢思维服务好每一位客户。

Company profile

Since its establishment in 2000, Shenzhen Jingzuan Intelligent Manufacturing Co., Ltd. has been adhering to the business philosophy of "Keep Improving, Diamond Service", constantly introducing advanced equipment and technology, producing high-quality, stable and reliable products, and creating more value for customers. The company currently has MAKINO and HAAS CNC machining centers; OKUMA CNC lathes, JUNG CNC forming grinders, KELLENBERGER-100 CNC internal and external cylindrical grinders, MOORE coordinate grinder, ZEISS three-dimensional, other advanced manufacturing equipment and testing instruments. After more than 20 years of technical precipitation and experience accumulation, it has developed into a certain scale of production enterprises.

The company mainly produces: zero-point quick change fixture series; electrode manufacturing fixture series; self-centering vise and dovetail fixture series; shaft product series such as collet chuck and guide sleeves, which are widely used in the field of mold electrode manufacturing and parts processing, suitable for machining centers, CNC lathes, EDM machines, wire cutting and other equipment. With rich products, stable quality and reasonable prices, it has won the trust and support of customers. The products are exported to the United States, Russia, Germany, Switzerland, Italy, France, Spain, Israel, Japan, South Korea and other countries.

The Suzhou production base will be completed and put into operation in 2022, with an area of 25,000 square meters, providing a strong guarantee for high-quality, mass production, and undertaking non-standard fixture design, precision parts and OEM commissioned manufacturing services to help you create a new business map.

Jingzuan Company always insists: strive to contribute to the development of the enterprise and the industry. We take this as the goal, focus on industry development, insight into customer needs, integrate comprehensive results, and serve every customer with a win-win thinking.



苏州工厂



深圳工厂

- A-ONE快速定位夹具系统使用简单，将柔性和刚性完美结合。通过客户长期使用，一起见证A-ONE快速定位夹具在使用中体现：耐用、稳定、可靠。
- 标准化的接口—实现铣削、钻削、车削、磨削、电火花成型、线切割机床以及测量和预调台高效转换，确保加工品质，提高生产效率。



- A-ONE fast positioning fixture system is easy to use and makes perfect combination of flexibility and rigidity. Through the long-term use of customers, we will witness the A-ONE quick positioning fixture in use: durable, stable and reliable.
- Standardized interfaces – highly efficient conversion among the milling, drilling, turning, grinding, EDM shaping, linear cutting machine, measuring and presetting station, which can ensure machining quality and improve the production efficiency.



苏州生产车间

SUZHOU PRODUCTION WORKSHOP



制造设备 Manufacturing facilities

为满足客户大工件生产需求，精钻苏州工厂投资购置：大行程生产设备及检测仪器，如：大隈龙门加工中心，轴向行程：2000*1600*450、牧野数控卧式加工中心，轴向行程：1520*1250*1350，X、Y、Z轴光栅反馈0.1 μ m，冈本精密平面磨床及海克斯康三坐标测量仪

In order to meet the needs of customers for the production of large workpieces, JingZuan Suzhou factory invested and purchased: large-travel production equipment and testing instruments, such as: Okuma Machining Center, axial stroke: 2000*1600*450, Makino CNC horizontal machining center, axial stroke : 1520*1250*1350, X, Y, Z axis grating feedback 0.1 μ m, Okamoto precision surface grinder and Hexagon three-coordinate testing equipment.

MAKINO 牧野卧式加工中心 a92 轴向行程：1520*1250*1350
X、Y、Z轴光栅反馈0.1 μ m

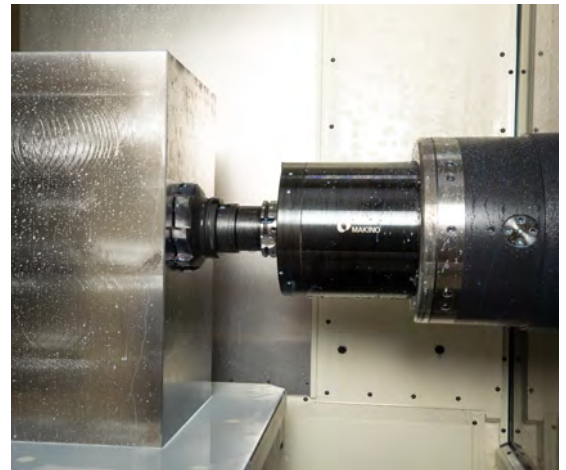


苏州生产车间

SUZHOU PRODUCTION WORKSHOP



MAKINO 牧野卧式加工中心 a81NX 轴向行程：900*900*1020，X、Y、Z轴光栅反馈0.05 μ m



苏州生产车间

SUZHOU PRODUCTION WORKSHOP



OKUMA 大隈龙门加工中心 MCV-AII 16*20 轴向行程: 2000*1600*450



OKAMOTO 冈本平面磨床 ACC105GX 工作台行程: 1150*540

苏州检测室

SUZHOU TESTING WORKSHOP



HEXAGON 海克斯康三坐标测量仪 SAGER 06.08.06
行程范围：600*800*600，长度测量误差： $E_0=0.6+L/400\mu\text{m}$ ，重复精度：0.5 μm



HEXAGON 海克斯康三坐标测量仪 Inspector Classic 12.22.10 行程范围：1200*2200*1000

深圳生产车间

SHENZHEN PRODUCTION WORKSHOP



MAKINO加工中心 MAKINO Machining center



柔性生产线 Flexible production line

深圳生产车间

**SHENZHEN
PRODUCTION WORKSHOP**

完整的、先进的生产加工设备、专职的技术人员及严格的生产工艺管控，保证了产品的交货期及配合客户应急的快速生产。

Complete, first-class processing equipment, professional technician and excellent manufacturing technique control, to ensure the product delivery and coordinate with emergency fasten manufacture as customer request.



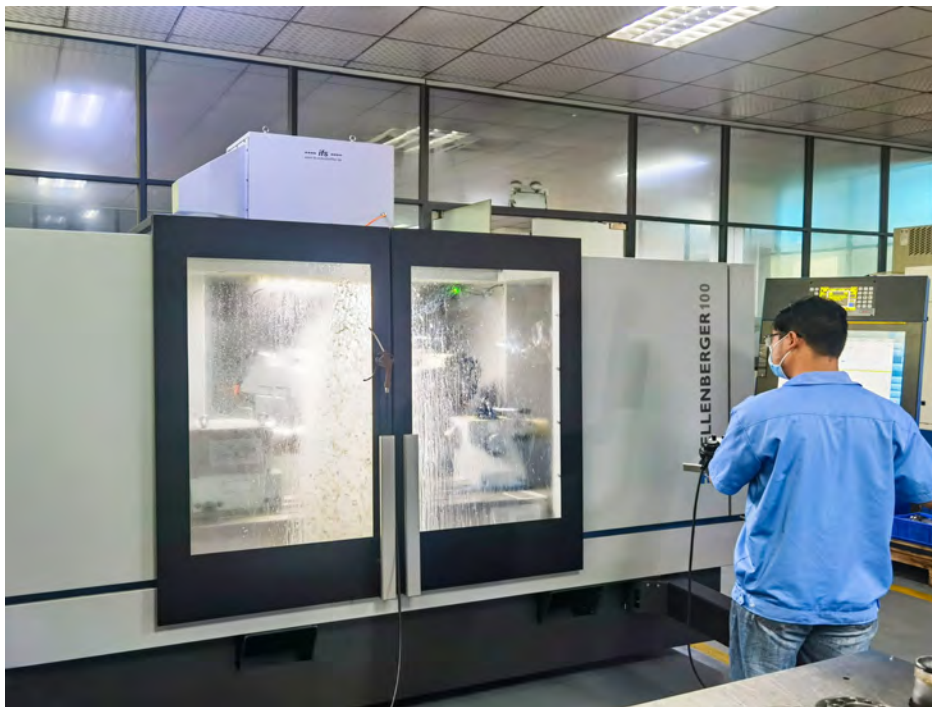
OKUMA CNC 精加工 OKUMA CNC Precise machining



OKUMA 车床 OKUMA Lathe

深圳生产车间

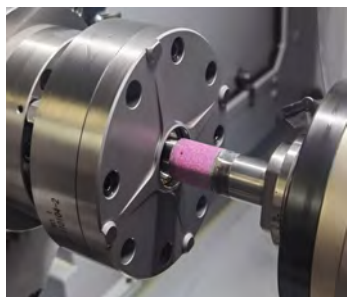
SHENZHEN PRODUCTION WORKSHOP



多达10种砂轮头架配置形式，所有砂轮头架均可进行直线或角向切入磨削，适用于外圆，内孔和端面磨削。控制系统的扩展软件，用于磨削标准非圆轮廓，例如：矩形，多边形，偏心圆，椭圆，半圆棒，扁平面等常见非圆轮廓。也用于磨削三棱形刀柄（COROMANT Capto），可进行圆周轮廓修正

Software extension on machine control. Simple program creation on machine control for grinding of standard non-circular contours such as Rectangle, Polygon, Eccentric, Ellipse, Rounded Bar, Flattening Subsequent Bar, Subsequent Square. Forms for polygon toolholders (COROMANT CAPTO) including extensive correction possibilities.

KELLENBERGER 100 — 完美的数控万能内外圆磨床
Perfect CNC universal inner and outer cylindrical grinding machine



斯图特内外圆磨 STUDER Internal and external grinding

深圳生产车间

SHENZHEN PRODUCTION WORKSHOP



MOORE 坐标磨车间 MOORE Coordinate grinding



JUNG 琼格磨床 JUNG Grinding machine



ZEISS三坐标测量仪检测
3A-110004零点卡盘
ZEISS coordinate measuring
machine detects Zero Point
Chuck 3A-110004



ZEISS三坐标测量仪检测
3A-200002旋转摆动式虎钳
ZEISS coordinate measuring
machine detects Rotatable
Pendulum Vise 3A-200002



ZEISS三坐标测量仪检测
ITS卡盘
ZEISS coordinate measuring
machine detects ITS Chuck



德国蔡司工具显微镜
ZEISS tool microscope



瑞士TESA测高仪
Swiss TESA height indicator

优良的品质保证 Excellent quality

公司全面推行ISO90001质量管理体系，并拥有德国ZEISS三坐标测量仪，ZEISS工具显微镜等检测设备，所有产品全检出货，为生产高精密的产品提供了强有力的保证。

We carried out the ISO90001 quality management system. The ZEISS coordinate measuring machine, ZEISS tool microscope and other advanced measuring equipment. All products are fully inspected to ensure the high precision.



瑞士TESA测高仪
Swiss TESA height indicator



万能工具显微镜
ZEISS universal tool-measuring
microscope

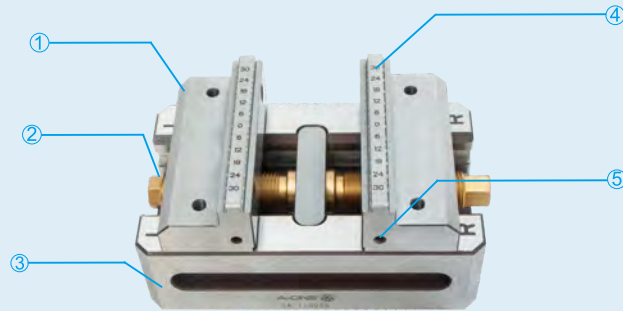


NIKON V-16A投影仪
NIKON V-16A Projector



洛氏硬度计
Rockwell hardness

五轴咬合式硬爪虎钳
Makro.Grip



特点：

Characteristics:

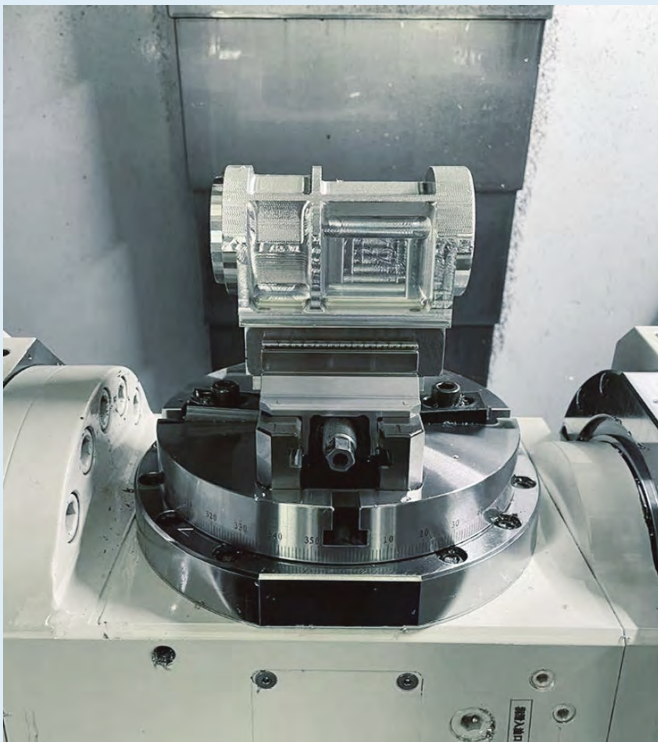
1. 卡爪的光面可以用于无咬痕工件的夹持或已加工面的夹持；
The smooth surface of the jaws can be used for clamping of workpieces without biting or clamping of machined surfaces
2. 双导向长行程导轨，丝杆螺母副驱动卡爪；
Double guide long stroke guide, screw nut vice drive jaw
3. 基体结构稳固，经久耐用；同时自重较轻，方便手工上下料；
The base structure is stable and durable; at the same time, the weight is light, and it is convenient for manual loading and unloading.
4. 卡爪上端两面均带有咬齿，能够在夹持3mm的高度上可靠夹紧工件；
The upper end of the claw has a tooth on both sides, which can reliably clamp the workpiece at a height of only 3mm
5. 预留螺纹底孔用于安装辅助定位装置；可安装于A-ONE148托板或零点托板
Reserved threaded bottom hole for mounting auxiliary positioning device; can be mounted on A-ONE \varnothing 148 pallet or zero point pallet

注意：

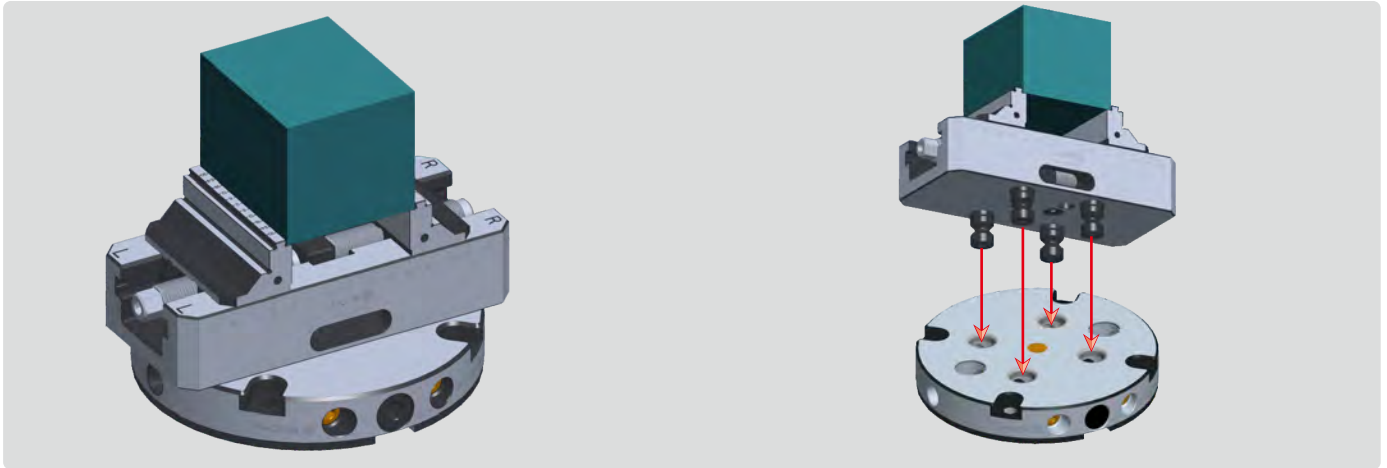
Note:

选配钳口时，请注明虎钳型号及钳口名称，不同型号虎钳的钳口不能互换使用！

When selecting jaws, please indicate the vise model and jaw name. The jaws of different types of vise cannot be used interchangeably!

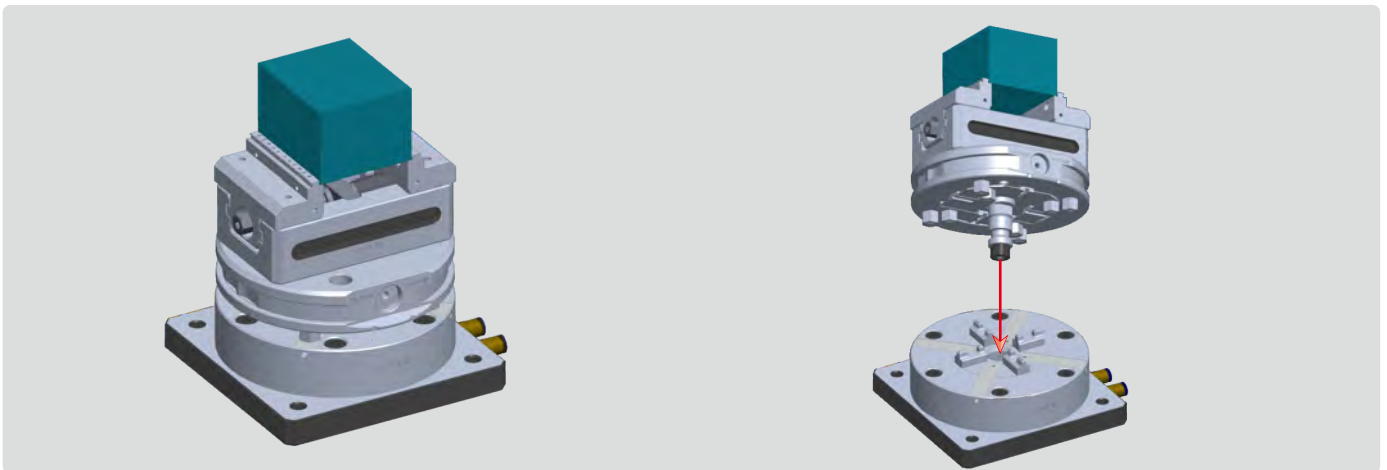


1 匹配组合零定位快锁系统运用
Application of matching combination zero point quick locking system

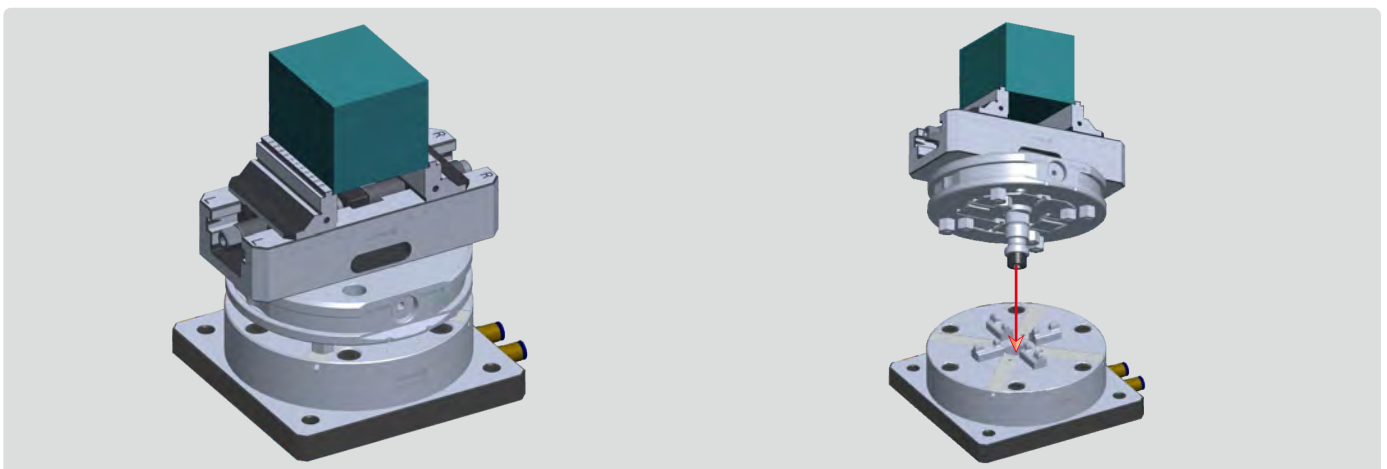


3A-110160自定心虎钳匹配3A-110165零点定位单工位板组合运用
Application of Self centering vise 3A-110160 matching zero point single plate 3A-110165

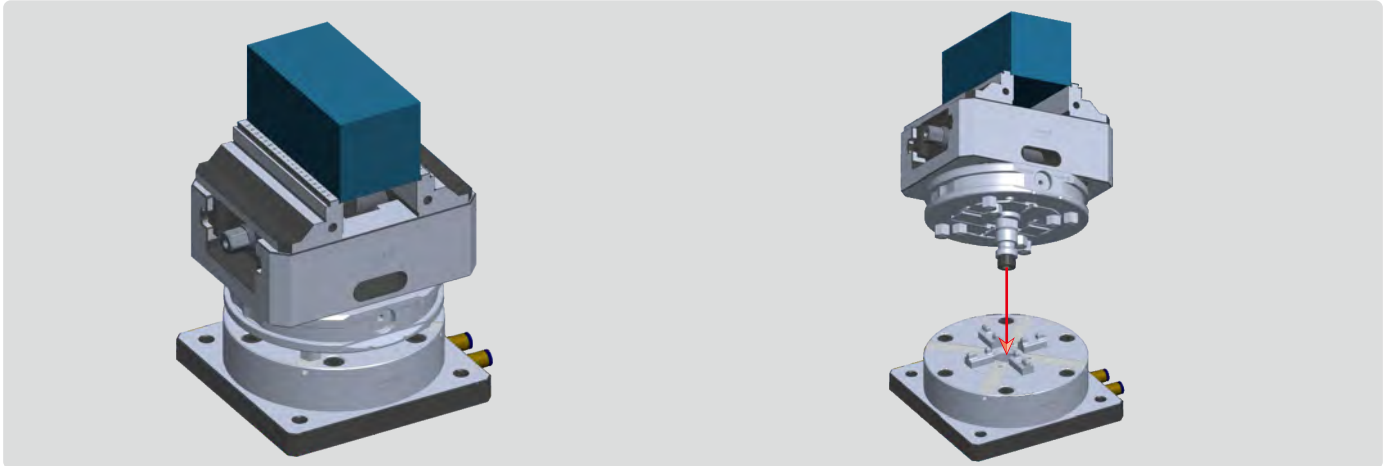
2 匹配组合ITS系列卡盘运用
Application of matching combination ITS series chuck



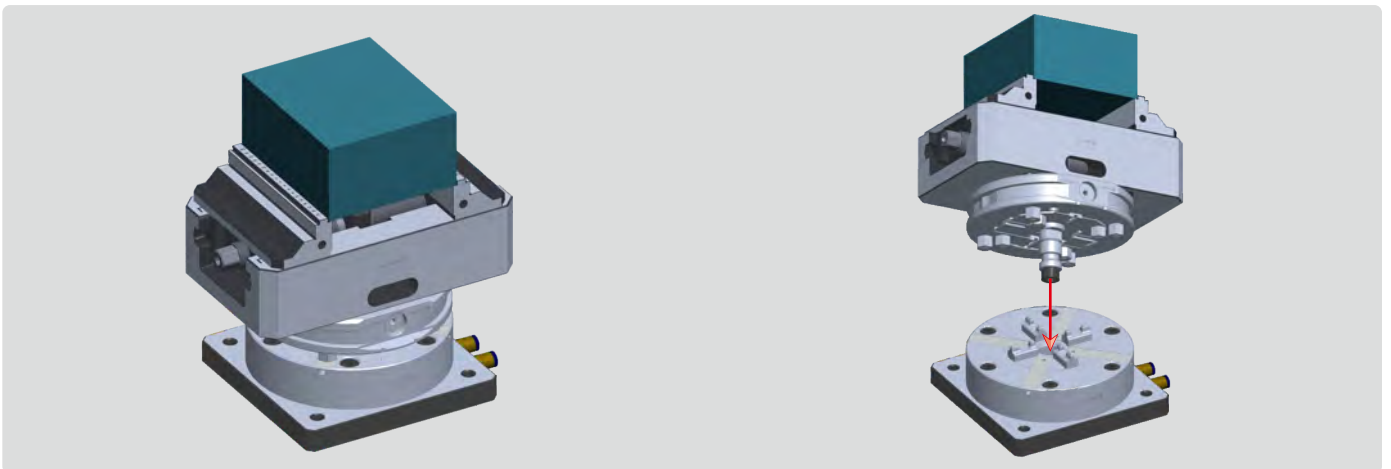
3A-110086自定心虎钳匹配3A-100050强力卡盘组合运用
Application of Self centering vise 3A-110086 matching Power chuck 3A-100050



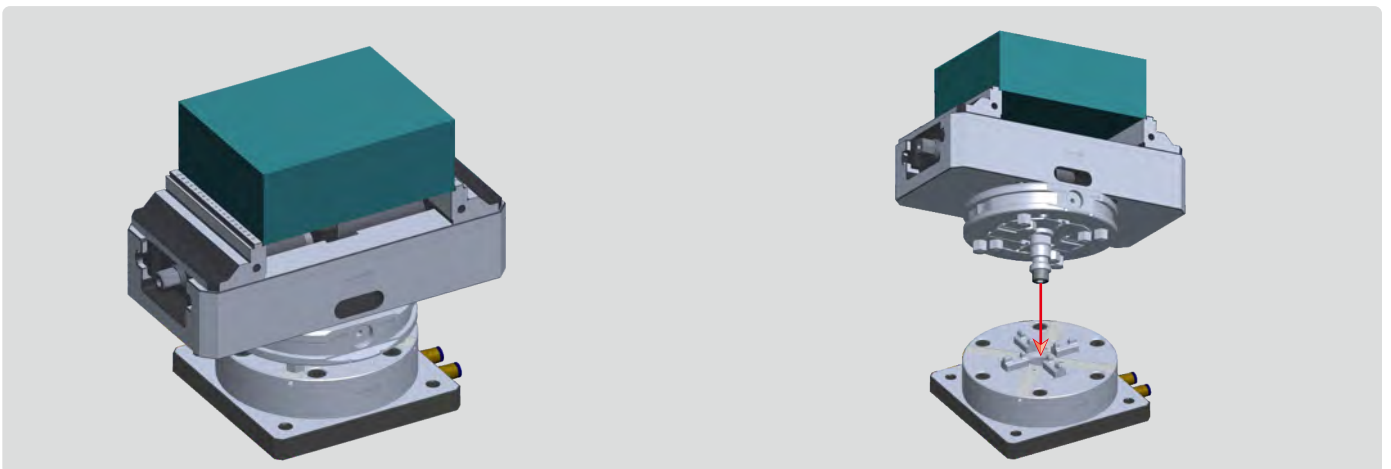
3A-110160自定心虎钳匹配3A-100050强力卡盘组合运用(定制)
Application of Self centering vise 3A-110160 matching Power chuck 3A-100050(customize)



3A-110185自定心虎钳匹配3A-100050强力卡盘组合运用(定制)
Application of Self centering vise 3A-110185 matching Power chuck 3A-100050(customize)

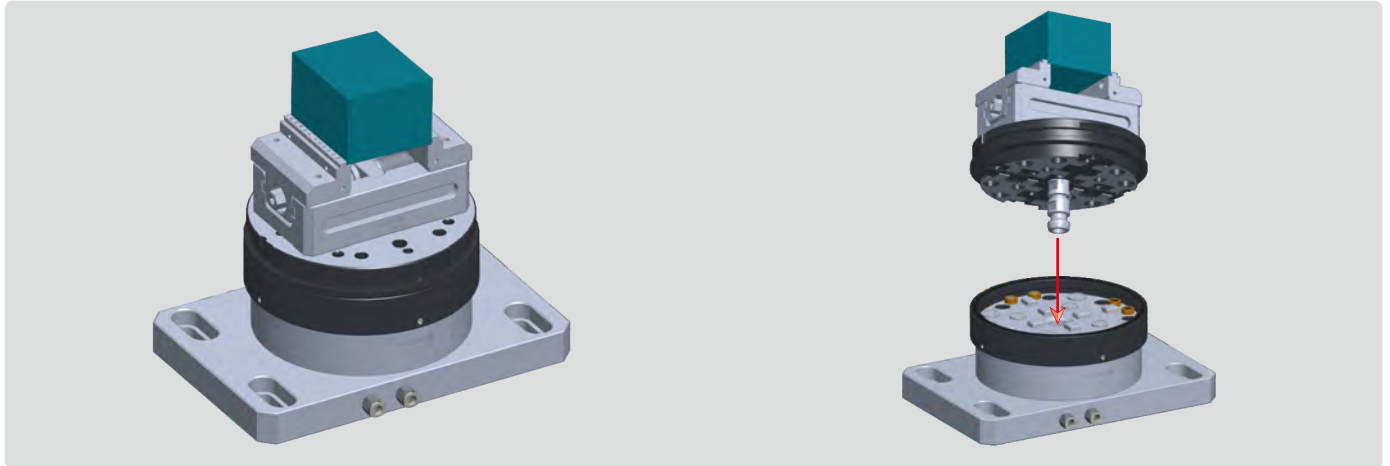


3A-110186自定心虎钳匹配3A-100050强力卡盘组合运用(定制)
Application of Self centering vise 3A-110186 matching Power chuck 3A-100050(customize)

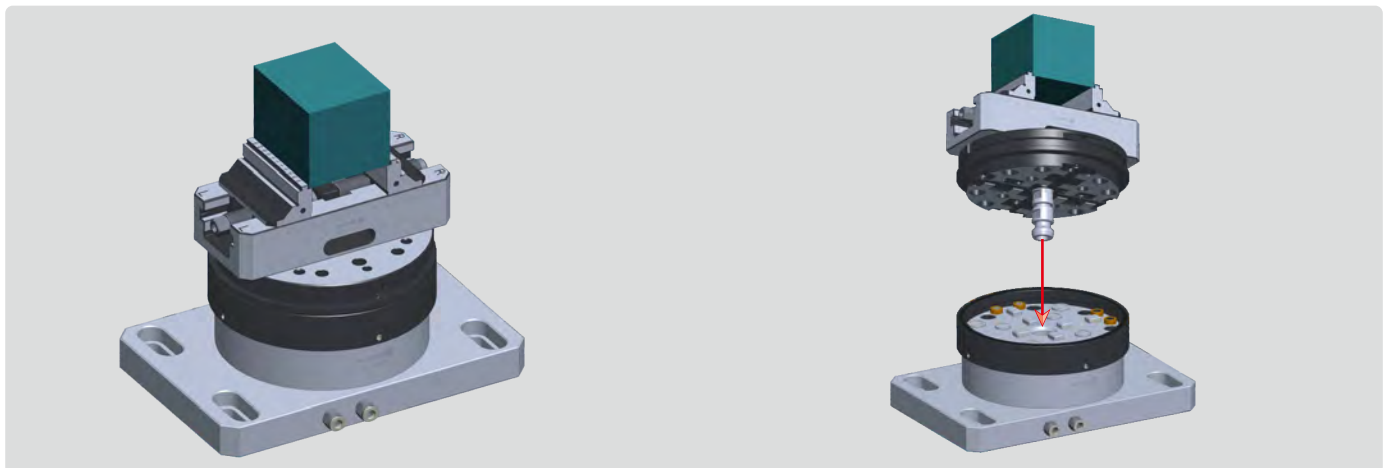


3A-110187自定心虎钳匹配3A-100050强力卡盘组合运用(定制)
Application of Self centering vise 3A-110187 matching Power chuck 3A-100050(customize)

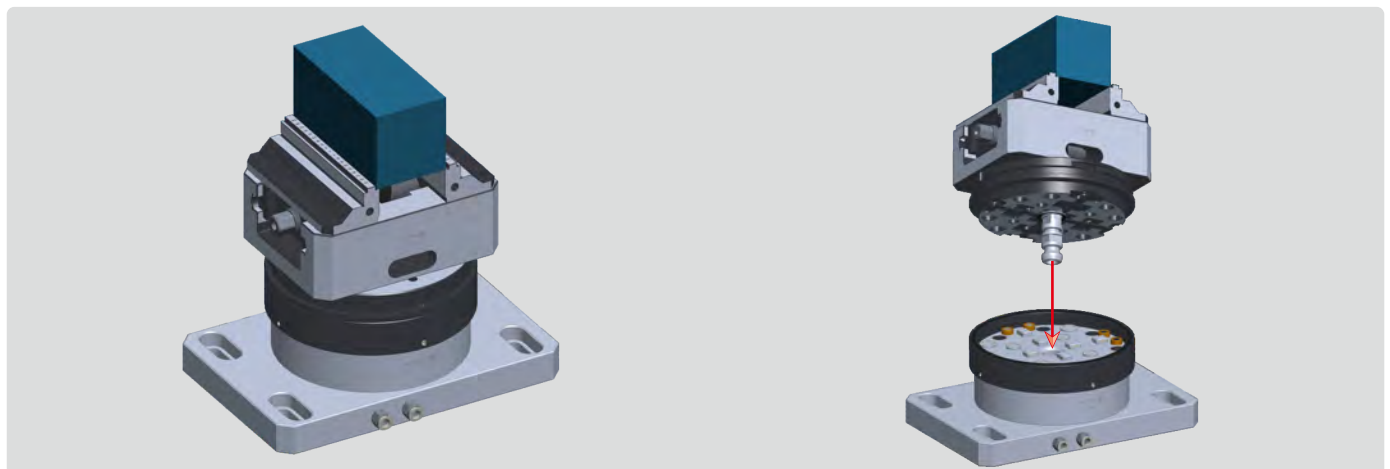
2 匹配组合R型系列卡盘运用
Application of matching combination R type series chuck



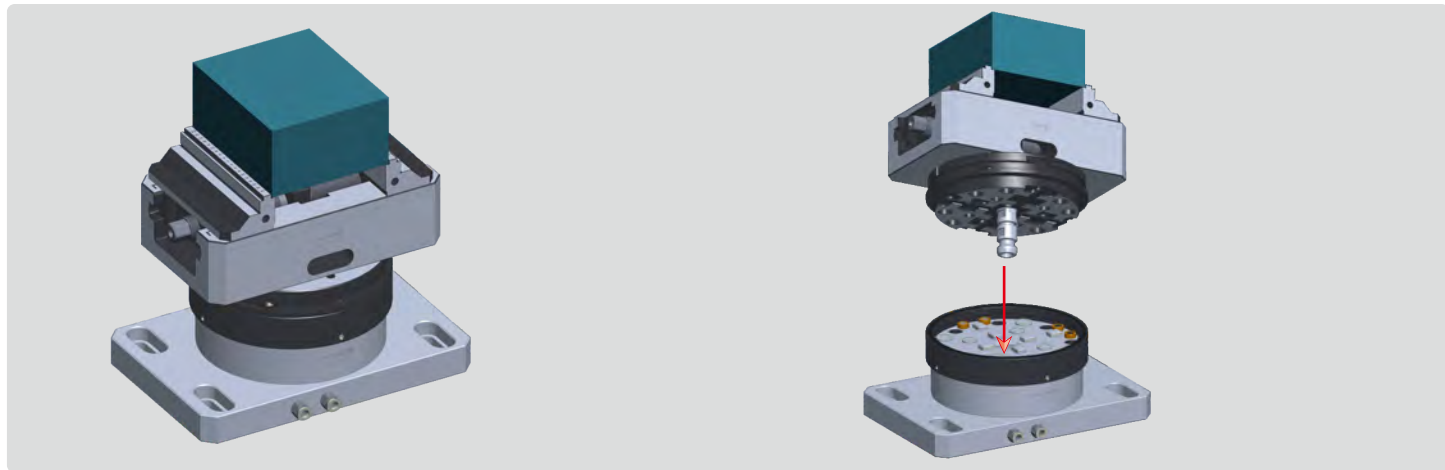
3A-110086自定心虎钳匹配3A-100076 R150气动卡盘组合运用(定制)
Application of Self centering vise 3A-110086 matching R150 pneumatic chuck 3A-100076(customize)



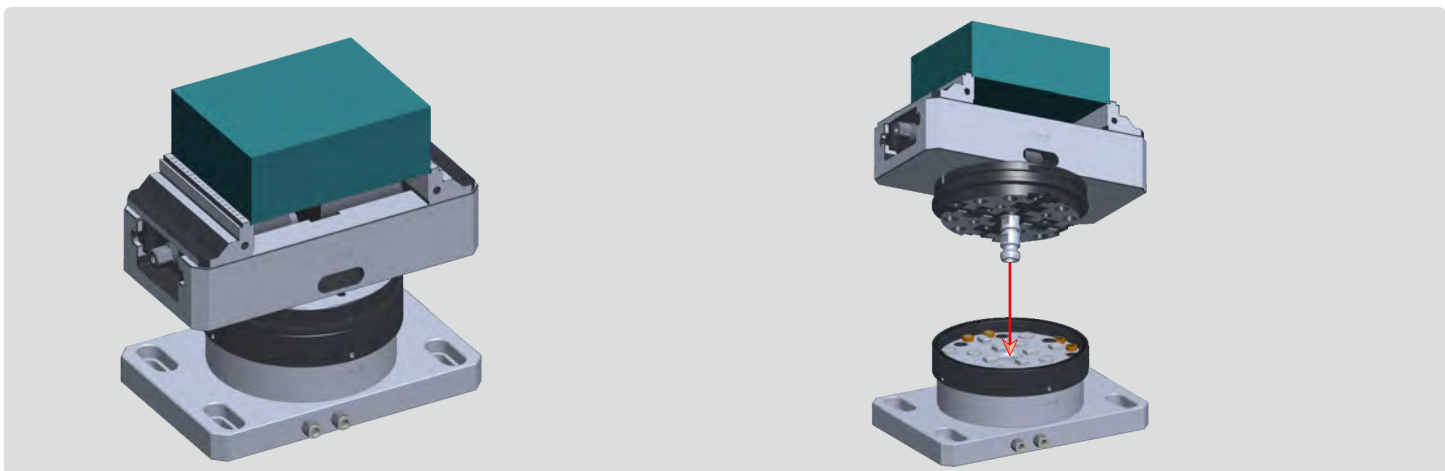
3A-110160自定心虎钳匹配3A-100076 R150气动卡盘组合运用(定制)
Application of Self centering vise 3A-110160 matching R150 pneumatic chuck 3A-100076(customize)



3A-110185自定心虎钳匹配3A-100076 R150气动卡盘组合运用(定制)
Application of Self centering vise 3A-110185 matching R150 pneumatic chuck 3A-100076(customize)



3A-110186自定心虎钳匹配3A-100076 R150气动卡盘组合运用(定制)
Application of Self centering vise 3A-110186 matching R150 pneumatic chuck 3A-100076(customize)



3A-110187自定心虎钳匹配3A-100076 R150气动卡盘组合运用(定制)
Application of Self centering vise 3A-110187 matching R150 pneumatic chuck 3A-100076 (customize)



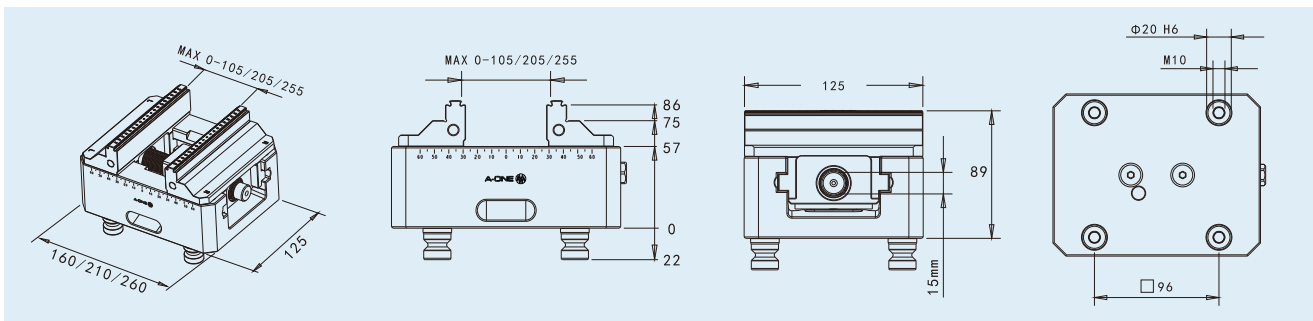
96mm

Φ 20

max.100Nm

max.20000N

±0.02mm

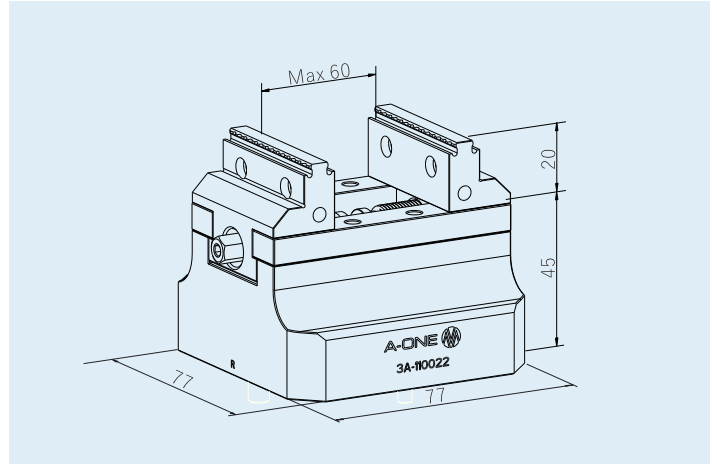


编号 Model NO.	底座长度 Base Length	夹持尺寸 Clamping Range	最大扭矩 Max. driving torque
3A-110185	160mm	0 - 155mm	100Nm
3A-110186	210mm	0 - 205mm	100Nm
3A-110187	260mm	0 - 255mm	100Nm

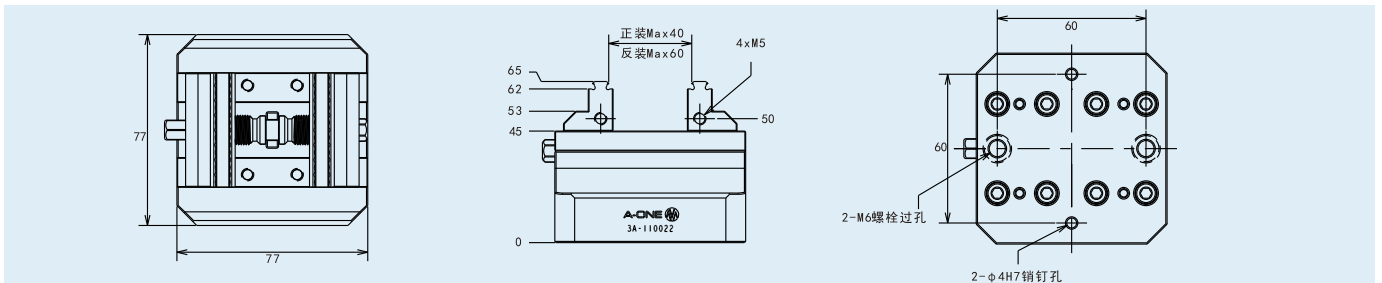


3A-110022 小虎钳 Small vise

- ▶ 规格 双向自定中心，重复精度小于0.01mm，两个M6螺丝连接工作台或托板，最大可夹持工件尺寸60mm，最大夹持力为6000N，驱动扭矩最大为20Nm
- ▶ 应用 适用于立式和卧式精密加工设备，一次加工五个面，特殊钳口可定制
- ▶ Version Double action self centered and repeating accuracy less than 0.01mm, To be fixed on the machine table or base plate with 2-M6 bolts, Maximum work piece size 60mm, Max. clamping force 6000N, Max. driving torque is 20Nm
- ▶ Application Suitable for vertical and horizontal precision processing machine, for 5-axis machining per time, Special jaw can be customized

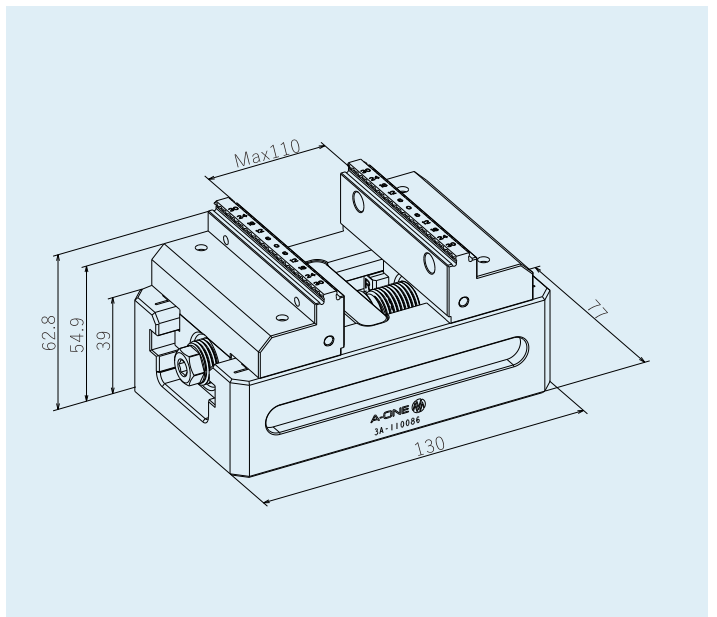


安装孔位尺寸图 Mounting hole size diagram

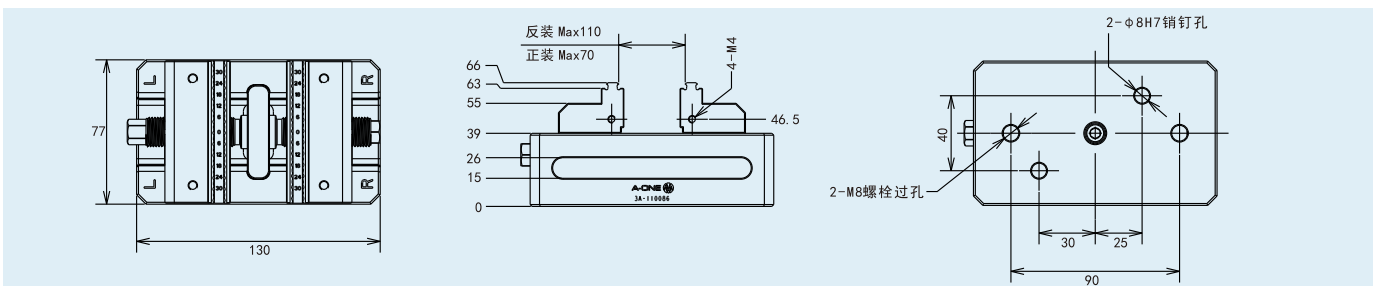


3A-110086 L130求心虎钳 L130 Self centering vise

- ▶ 规格 双向自定中心，重复精度小于0.01mm，两个M8螺丝连接工作台或托板，最大可夹持工件尺寸110mm，最大夹持力为14000N，驱动扭矩最大为70Nm
- ▶ 应用 适用于立式和卧式精密加工设备，一次加工五个面，特殊钳口可定制
- ▶ 注意 可搭配托板 φ148配合强力卡盘3A-100050 使用，托板 φ148 搭配自定心虎钳使用时，托板 φ148需添加安装孔
- ▶ Version Double action self centered and repeating accuracy less than 0.01mm, To be fixed on the machine table or base plate with 2-M8 bolts, Maximum work piece size 110mm, Max. clamping force 14000N, Max. driving torque is 70Nm.
- ▶ Application Suitable for vertical and horizontal precision processing machine, for 5-axis machining per time, Special jaw can be customized.
- ▶ Note Hexagonal wrench is supplied separately. It can be used with pallet φ148 and powerful chuck 3A-100050. When pallet φ148 is used with self centering vise, mounting holes should be added for pallet φ148.

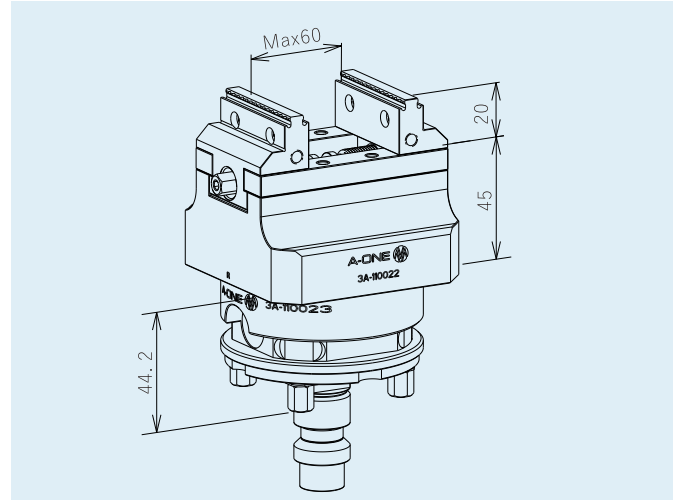


安装孔位尺寸图 Mounting hole size diagram



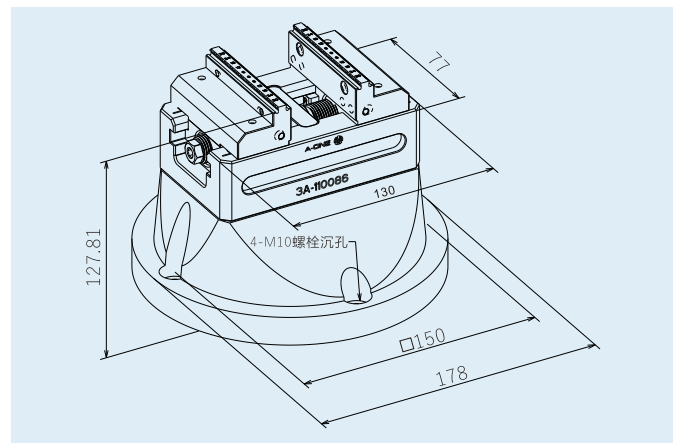
3A-110036 小虎钳套装
Small vise set

- ▶ 规格 系统尺寸 ITS 50, ϕ 72机械握爪位, 含夹紧拉钉
- ▶ 应用 适用于 ITS 接口的精密加工设备 & 自动化生产线
- ▶ Version System size ITS 50, ϕ 72 machining for gripper, including bolt
- ▶ Application For ITS interface of precision machining equipment and automated production line



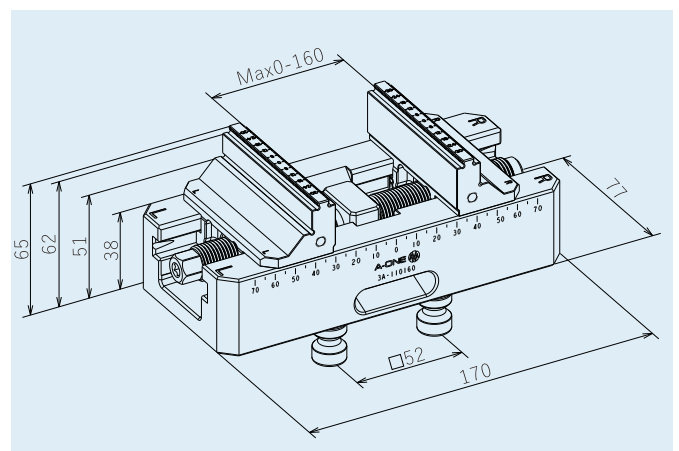
3A-110150 单虎钳台座
Single vise base

- ▶ 规格 标配3A-110086自定心虎钳, 台座可根据工作台尺寸定制
- ▶ 应用 适用于五轴加工, 一次可加工五个面
- ▶ 注意 虎钳需另购
- ▶ Version Standard self-centering vise 3A-110086, the base can be customized according to the size of the worktable
- ▶ Application Suitable for 5-axis machining, five axis can be machined at one time
- ▶ Note Vise supplied separately



3A-110160 自定心虎钳
Self centering vise

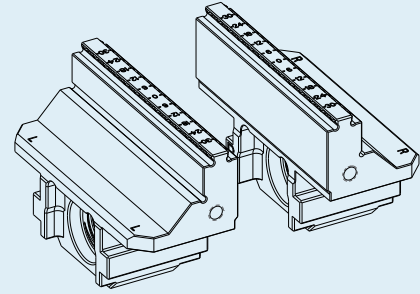
- ▶ 规格 双向自定中心, 重复精度小于0.02mm, 最大夹持力为14000N, 固定中心距为52mm, 使用 ϕ 16拉钉固定于工作台或托板上, 驱动扭矩最大70Nm
- ▶ 应用 适用于立式和卧式精密加工设备, 一次加工五个面, 特殊钳口可定制。
- ▶ Version Double action self centered, repeating accuracy less than 0.02mm, Max. clamping force 14000N, fixed center distance is 52mm, to be fixed on the machine table or pallet with ϕ 16 spigots, Max. driving torque is 70Nm.
- ▶ Application Suitable for vertical and horizontal precision processing machine, for 5-axis machining per time, Special jaws can be customized.



左右爪(左端夹爪+右端夹爪) Jaws (Left jaw + Right jaw)

- ▶ 应用 (3A-110160-02左爪、3A-110160-03右爪) 与3A-110160配合使用
(3A-110185-02左爪、3A-110185-03右爪) 与3A-110185/3A-110186/
3A-110187配合使用
- ▶ Application (3A-110160-02 left jaw、3A-110160-03 right jaw) used in
conjunction with 3A-110160
(3A-110185-02 left jaw、3A-110185-03 right jaw) used in
conjunction with 3A-110185/3A-110186/3A-110187

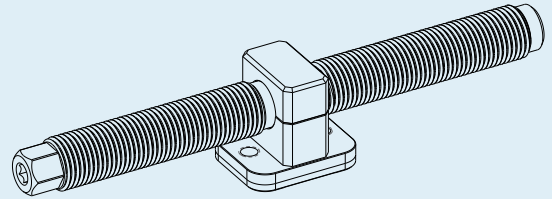
爪宽 Claw width	编号 Model NO	重量 Weight	单位 Unit
77mm	3A-110160-02	0.8kg	1对(1set)
	3A-110160-03		
125mm	3A-110185-02	2.6kg	1对(1set)
	3A-110185-03		



丝杆基座(自定心丝杆+定心基座) Screw base(Self-centering screw + Centering base)

- ▶ 规格 搭配自定心虎钳3A-110160、3A-110185、3A-110186、
3A-110187使用
- ▶ Version Use with Self centering vise 3A-110160、3A-110185、
3A-110186、3A-110187

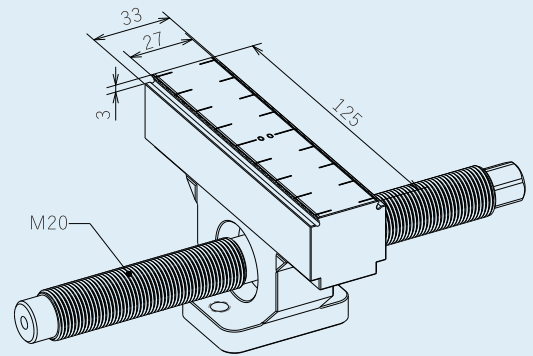
编号 Model NO	丝杆长度 Screw length	装配 Assembly	重量 Weight	单位 Unit
3A-110160-04	169mm	3A-110160	0.3kg	1套(1set)
3A-110160-05				
3A-110160-06				
3A-110185-04	164mm	3A-110185	0.7kg	1套(1set)
3A-110185-05				
3A-110185-06				
3A-110186-02	214mm	3A-110186	0.7kg	1套(1set)
3A-110185-05				
3A-110185-06				
3A-110187-02	264mm	3A-110187	0.9kg	1套(1set)
3A-110185-05				
3A-110185-06				



3A-110197 中心钳口(含丝杆) Center jaw (with screw rod)

- ▶ 规格 搭配自定心虎钳3A-110185、3A-110186、3A-110187使用
- ▶ Version Use with Self centering vise 3A-110185、3A-110186、
3A-110187

编号 Model NO	丝杆长度 Screw length	装配 Assembly	重量 Weight	单位 Unit
3A-110197-01	164mm	3A-110185	1.75kg	1套(1set)
3A-110185-04				
3A-110197-01	214mm	3A-110186	1.86kg	1套(1set)
3A-110186-02				
3A-110197-01	264mm	3A-110187	1.97kg	1套(1set)
3A-110187-02				



六角扳手 Hexagon bar wrench

内六角规格 Insider hexagonal specifications	外六角规格 Outer hexagonal specifications	对应虎钳 Corresponding vise	单位 Unit
4mm	8mm	3A-110022	1套(1set)
5mm	12mm	3A-110086	1套(1set)
		3A-110160	
5mm	15mm	3A-110185	1套(1set)
		3A-110186	
		3A-110187	
-	15mm	3A-110226	1件(1piece)



部分合作伙伴 (排序不分先后)

Partial partner

模具加工 Mold processing



保利根



宝田精工



比亚迪



常州华威模具



大豪车业



大连銮艺精密



得意电子



德丰电创



东菱



东泰精密



凤铝



富士康集团



广东长盈



赫比



恒德



宏丰



金莱特



金三维



精英模具



九江金鹭



九牧厨卫



莱克



理光



立讯精密工业



领益



绿点科技



南平铝业



宁波华德



宁波继峰



宁波均胜



普联



群创光电



厦门华尔达



山东豪迈



上海瀚氏



深圳凯中精密



伟康医疗



香港模具



烟台霍富



亿和



银宝山新



珠海格力大金



珠海三威



华益盛



海泰科

口碑好, 20多年经验积累

Good word of mouth , More than 20 years of experience

凭借品质稳定、性价比高, 得到海内外客户的高度肯定。

Thanks to its stable quality and high cost performance, it is highly recognized by customers at home and abroad.



零件加工 Parts processing



ASM先进半导体



TTI



北方自动控制研究所



彼联科技



伯恩光学



潮州三环



大博医疗



东莞祥鑫



国泰达鸣精密



杭州西子航空



恒拓高



华生电机



利元亨



南京造币厂



南兴木工



锐健



瑞声科技



上海航天



一汽大众



中船重工



中国工程物理研究院



中均科技



中山科瑞



迈瑞



深圳吉阳

其他 Other



北京精雕集团



牧野



航天壹亘



庆鸿机电



沙迪克



株洲科力特