

Manufacturers often assume that new machine purchases will be useful in increasing capacity and output..... However, such capital expenditures require to be significant enough to generate attractive economies of scale, and also its payback periods can be very long.

1. How much time do you currently spend on setup and conversion ?

A. Hours

B. Minutes

FACT

The lean manufacturing will continue to grow because even though they are in a recession, they will figure out how to accomplish more with less cost, and such businesses will actually prosper. One of the best and most economical ways to "lean out" is to reduce the amount of time spending on setting up and replacing machine clamps.

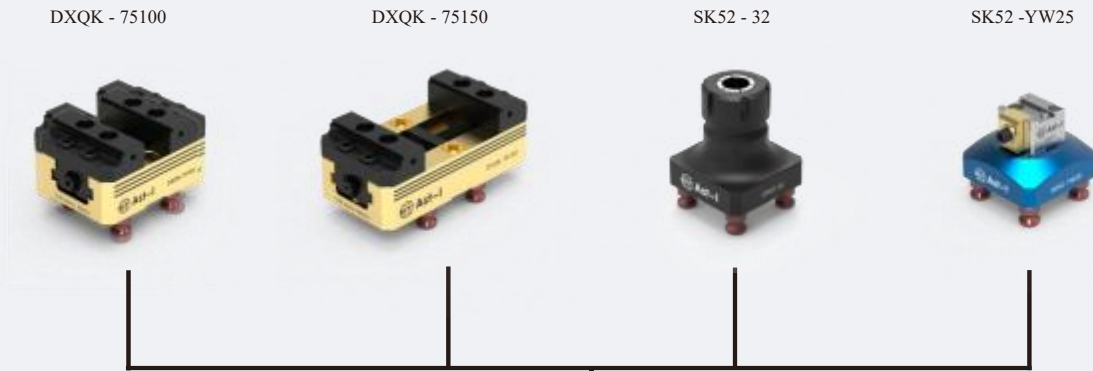
2. Thinking about buying a machine next year?

A. Yes

B. No

FACT

If you are looking for a way to increase your output, it's the last option on your list of strategy to buy a machine. It will greatly improve your working performance to regain lost the machining time process. And then there is no need to purchase new machines.



Save transferring time

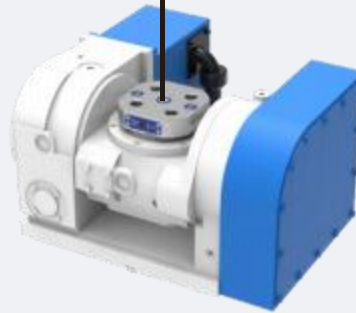
High-precision change of clamp tools, fixtures and workpieces in a few seconds

Modulation

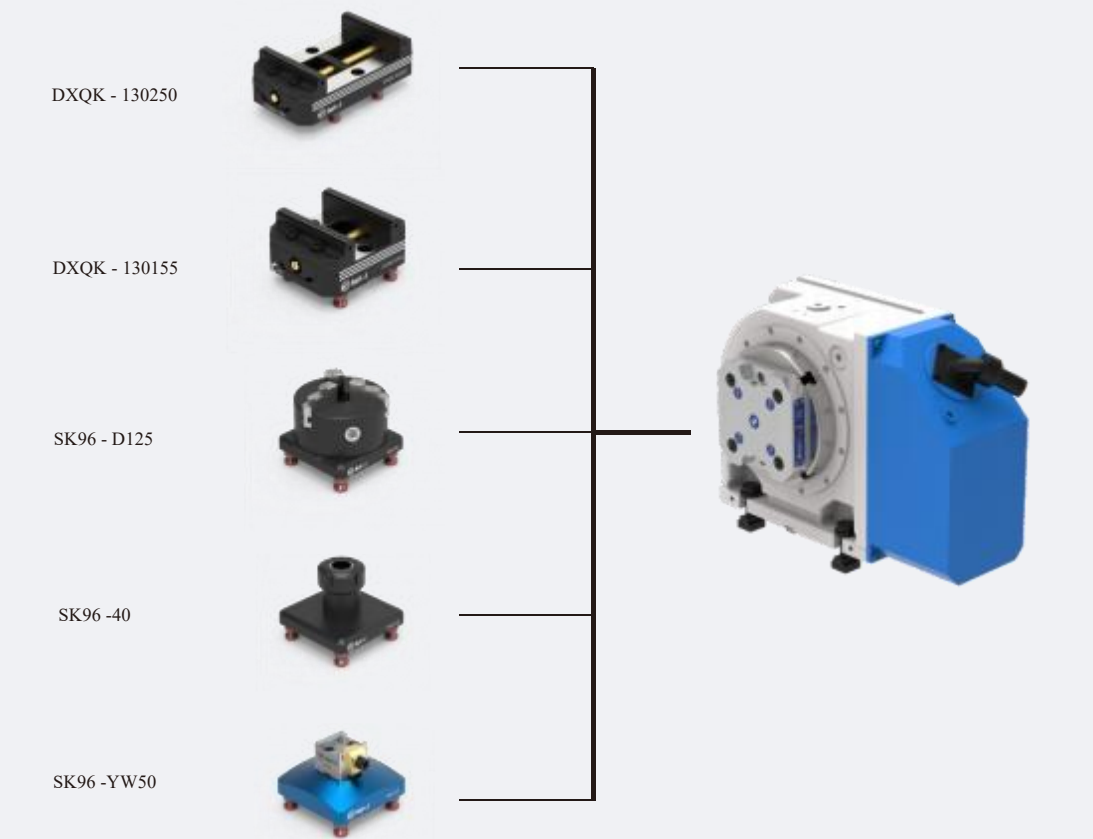
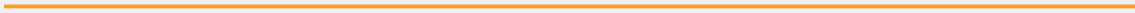
A wide range of combinable zero fixtures that can be easily expanded at any time

Simplicity

Mechanical clamp by tightening screws or quick-release fixtures



As an interface between the machine workbench and the clamp device, Pulling's zero change systems are available in a variety of variations. It can be commonly used in 3-axis, 5-axis tables and 4th axis vertical and horizontal machining centers.



Optimize your workbench and increase efficiency

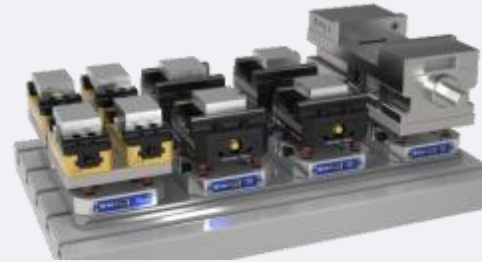
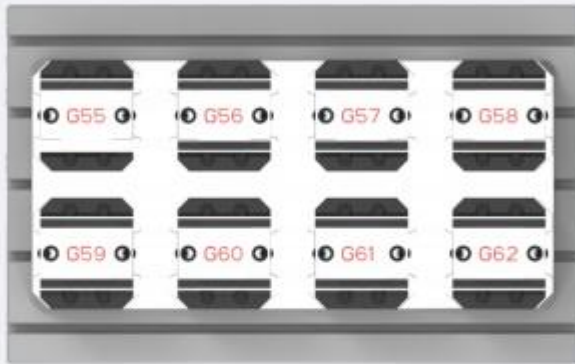
Increase the machine's own clamp stations, thus increasing machining capacity and minimizing downtime.

Optimized programs

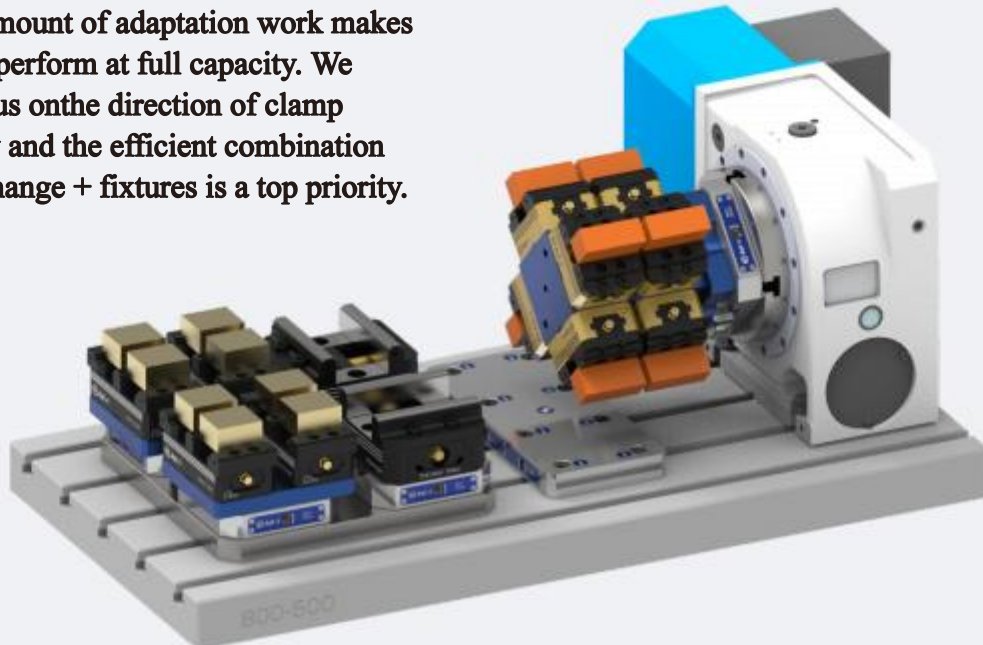
Facilitate greater tool access to the workpiece and reduce tool change times.

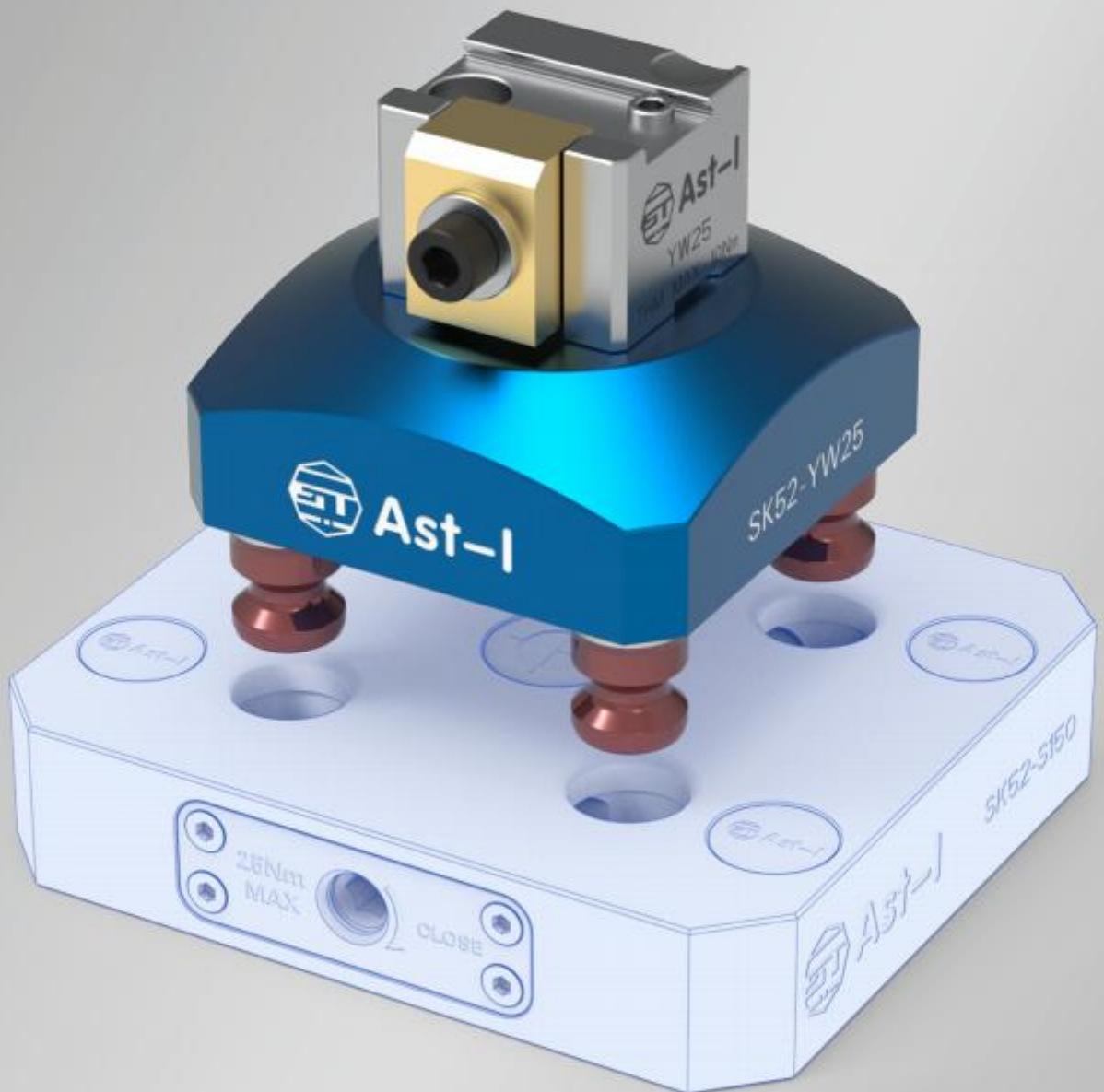
Optimized transferring time

High precision change of clamp tools, fixtures and workpieces in seconds.

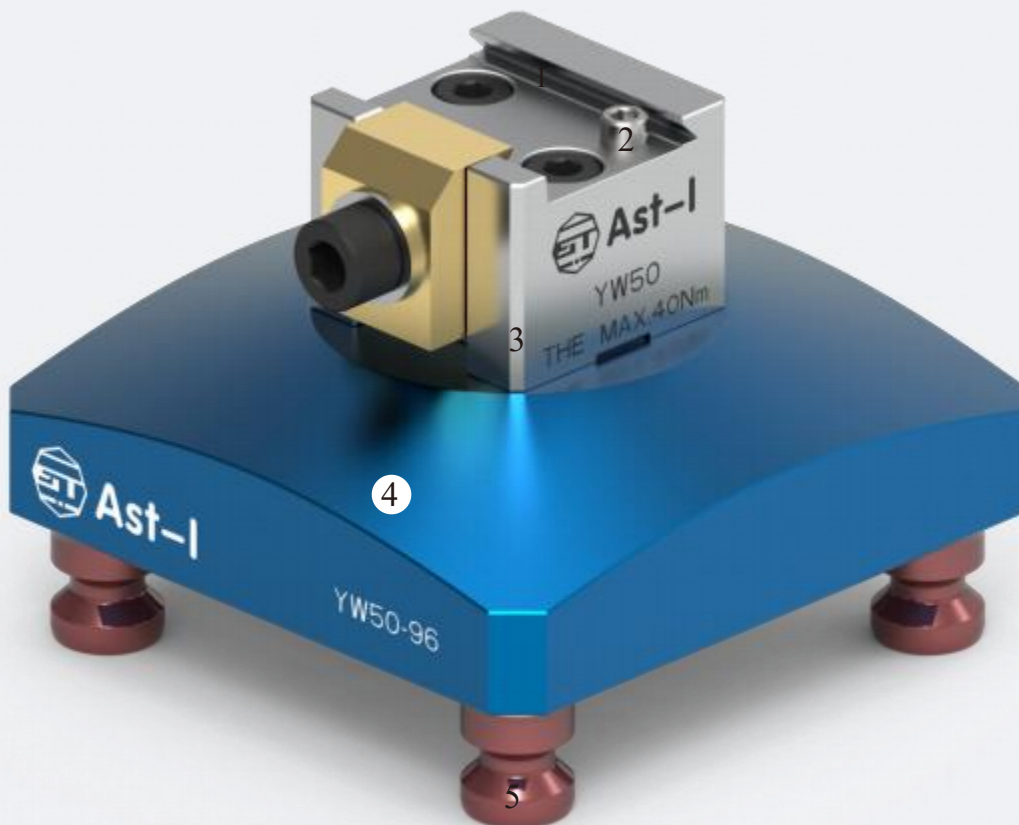


Each product and each new process requires special fixtures and adapter plates, which are actually one of the biggest reasons for the machine's efficiency, and the large amount of adaptation work makes it difficult to perform at full capacity. We should focus on the direction of clamp technology and the efficient combination of quick-change + fixtures is a top priority.





Dovetail design quickly locks parts into place for extreme clamp strength and rigidity



1 45degree dovetail, increased clamp force

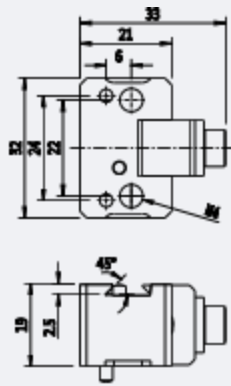
4 High-strength aerospace hard AL

2 with locating pins for increased repeatability

5 Combined 52 system and 96 system

3 Made of solid hardened stainless steel to ensure maximum stability

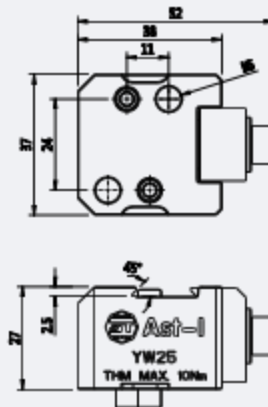
YW12



Description

Dimensions: 21×32×19mm
 Material: Hardened stainless steel
 clamp range: 12 -25mm
 Dovetail depth: 2.54mm
 Max. torque: 8Nm
 Weight: 0.1Kg

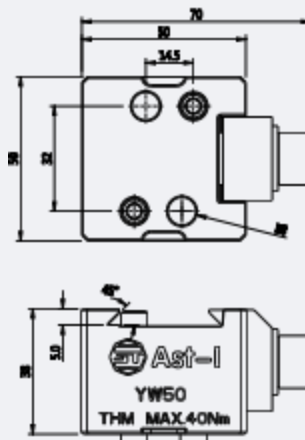
YW25



Description

Dimensions: 21× 32× 19mm
 Material: Hardened stainless steel
 clamp range: 25 -70mm
 Dovetail depth: 2.54mm
 Max. torque: 10Nm
 Weight: 0.25Kg

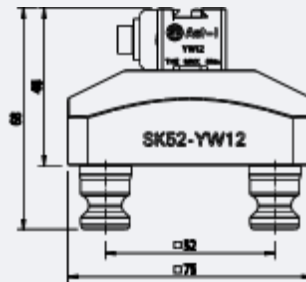
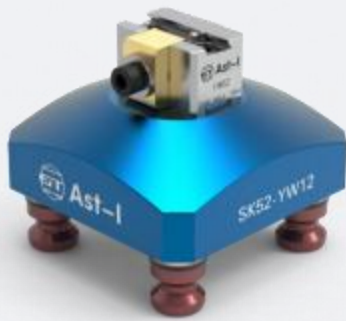
YW50



Description

Dimension: 50× 50× 38mm
 Material: Hardened stainless steel
 clamp range: 50mm or more
 Dovetail depth: 5.08mm
 Max. torque: 40Nm
 Weight: 0.65Kg

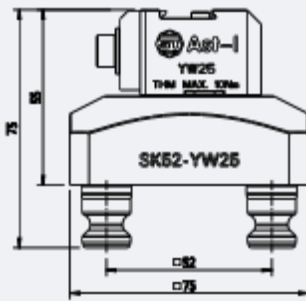
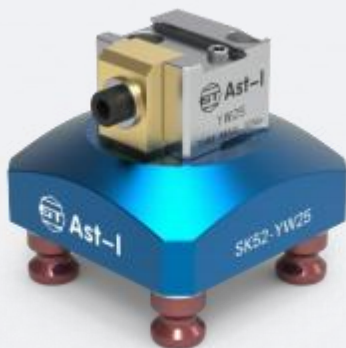
YW12-52



Description

Dimensions: 75×75×68mm
 Material: Hardened stainless steel + AL
 clamp range: 12 -25mm
 Dovetail depth: 2.54mm
 Max. torque: 8Nm
 Weight: 0.6Kg

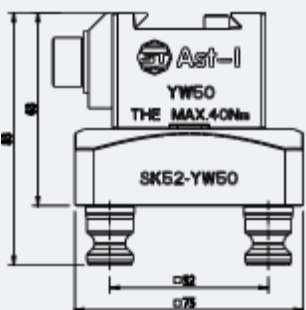
YW25-52



Description

Dimensions: 75×75×75mm
 Material: Hardened stainless steel + AL
 clamp range: 12 -25mm
 Dovetail depth: 2.54mm
 Max. torque: 10Nm
 Weight: 0.8Kg

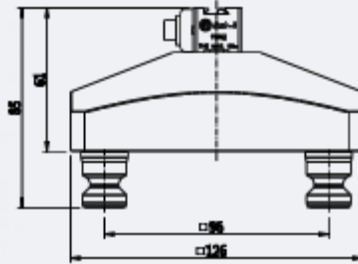
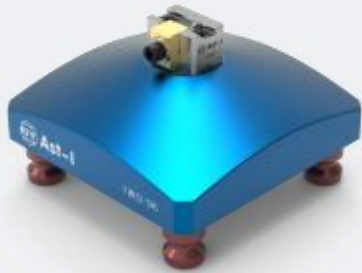
YW50-52



Description

Dimensions: 75×75×83mm
 Material: Hardened stainless steel + AL
 clamp range: 50mm or more
 Dovetail depth: 5.08mm
 Maximum torque: 40Nm
 Weight: 1.1Kg

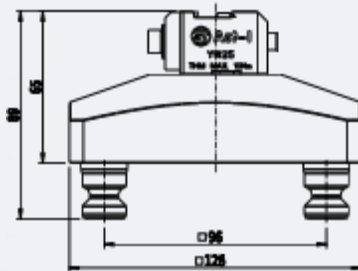
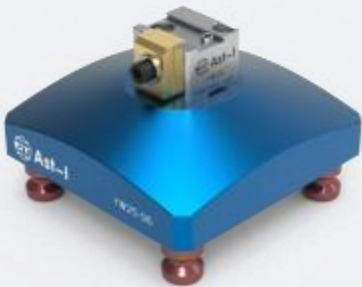
YW12-96



Description

Dimensions: 126×126×85mm
 Material: Hardened stainless steel + AL
 clamp range: 12 -25mm
 Dovetail depth: 2.54mm
 Max. torque: 8Nm
 Weight: 1.7Kg

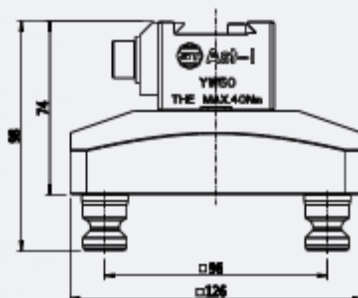
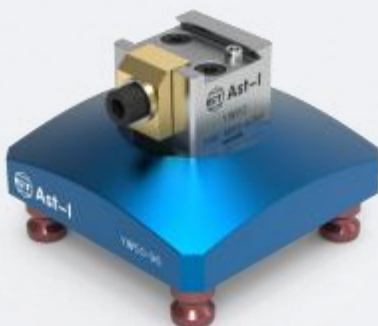
YW25-96



Description

Dimension: 126×126×89mm
 Material: Hardened stainless steel + AL
 clamp range: 12 -25mm
 Dovetail depth: 2.54mm
 Max. torque: 10Nm
 Weight: 2.3Kg

YW50-96



Description

Dimensions: 126×126×98mm
 Material: Hardened stainless steel + AL
 clamp range: 50mm or more
 Dovetail depth: 5.08mm
 Max. torque: 40Nm
 Weight: 2.3Kg



The compact collet chuck is designed for milling and clamp round diameter parts with the commercially available E R collet. Its slim design provides excellent ergonomic characteristics and ensures optimal accessibility during milling.



1 Suiworkbench for use in commercially available holders

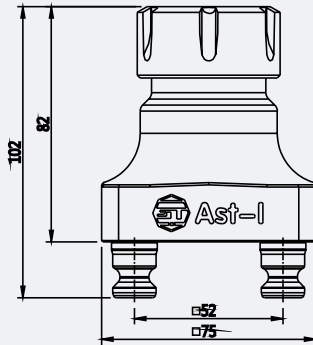
2 Robust, durable, hardened and coated throughout

3 Equipped with clamp screws for fast and precise clamp in zero clamp systems

4 Coolant drainage holes

5 End limit function hole

ER32-52



Description

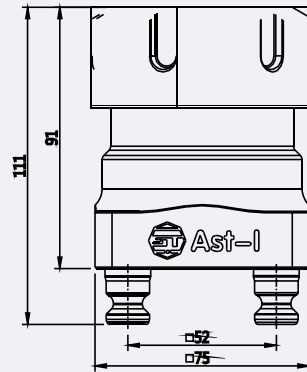
Dimensions: 75×75×83mm

Material: Hardened steel

clamp range: 3 -25mm

Weight: 1.4Kg

ER50-52



Description

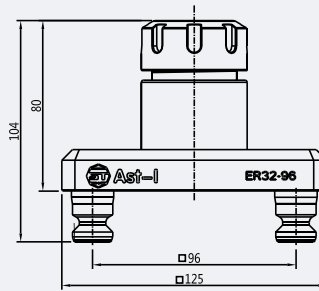
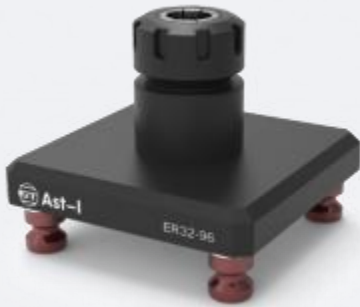
Dimensions: 75×75×92mm

Material: Hardened steel

clamp range: 6 -40mm

Weight: 2.6Kg

ER32-96



Description

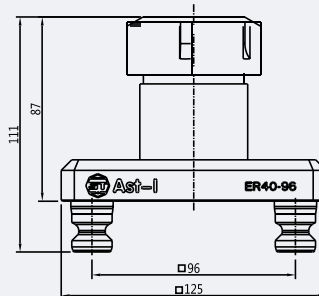
Dimensions: 125× 125× 104mm

Material: Hardened steel

clamp range: 3 -25mm

Weight: 2.6Kg

ER40-96



Description

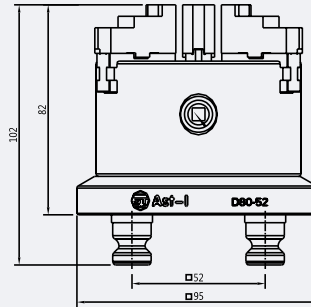
Dimensions: 125× 125× 111mm

Material: Hardened steel

clamp range: 3 - 32mm

Weight: 2.9Kg

D80-52



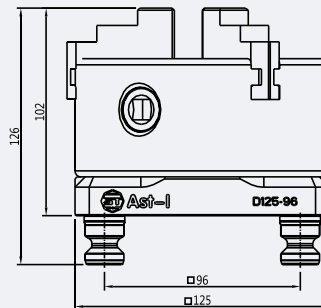
Description

Size: $\Phi 95 \times 100\text{mm}$

Material: Hardened steel +
rustproof surface

Weight: 2.5Kg

D125-96

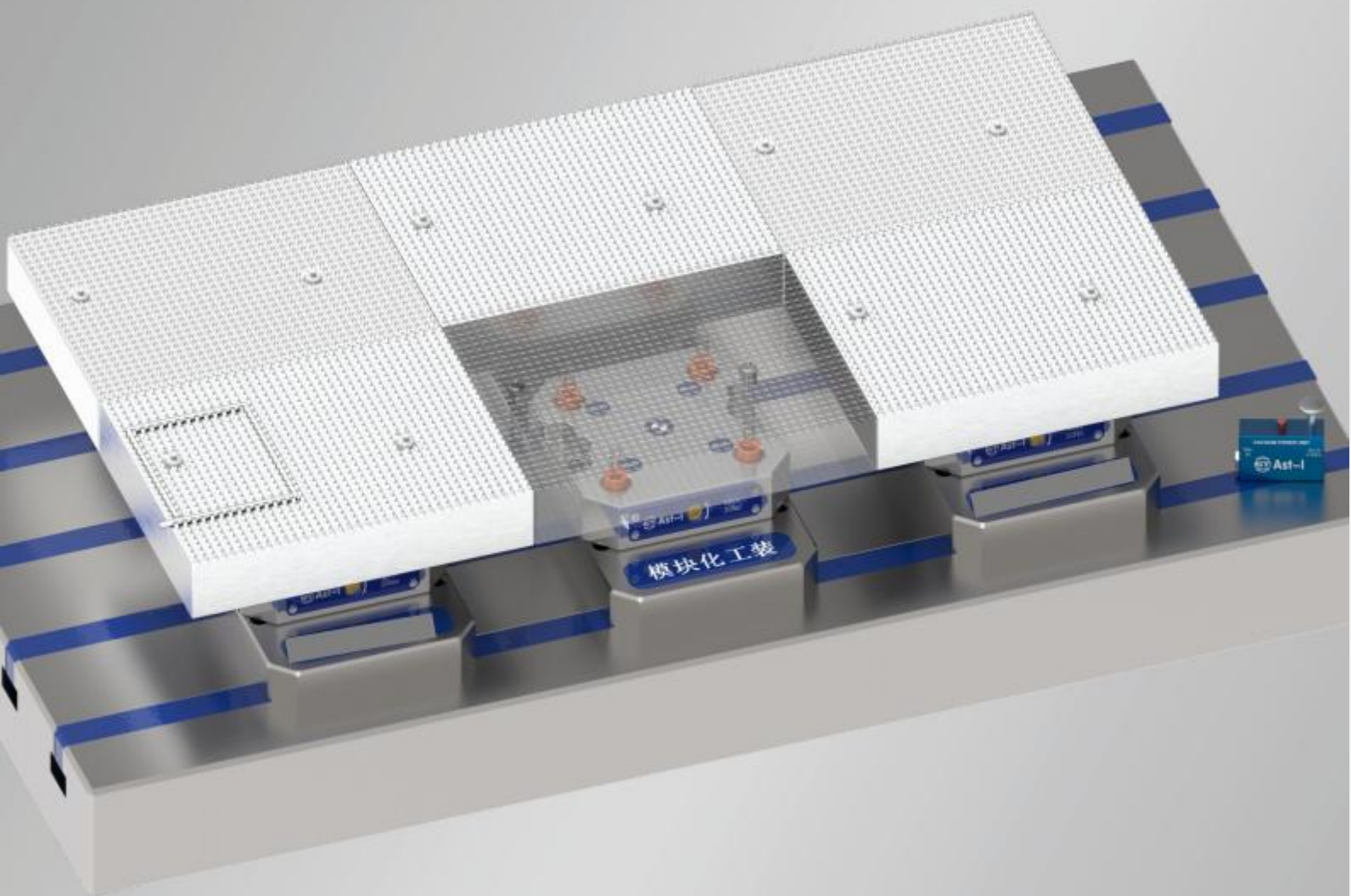


Description

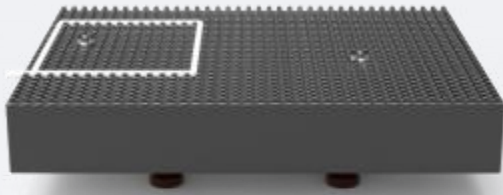
Dimensions: $125 \times 125 \times 130\text{mm}$

Material: Hardened steel +
rustproof surface

Weight: 8Kg



V247-40



Description

Dimensions: 247× 191*39mm

Material: AL

Weight: 5.5Kg

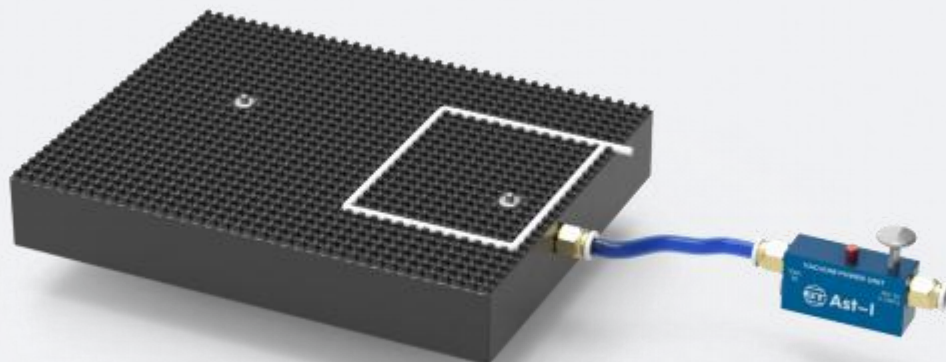
With 96 spigot system

Vacuum power unit

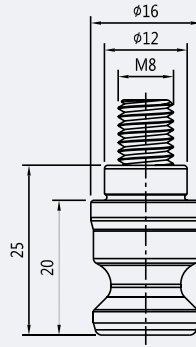


Description

The Vacuum Power Unit (VPU) is the heart of the system. Vacuum is generated, turned on and off and monitored from this single unit. Compressed air enters at a pressure of 0.65 MPa, converting to a vacuum power of 28" Hg - equal to or better than conventional vacuum pumps - and eliminating the need for filters or coolant collectors. It is a low flow, high level pump designed for use with non-porous workpieces. Most importantly, it consumes only 0.02 CMM of air (maximum vacuum flow is 0.028 CMM).



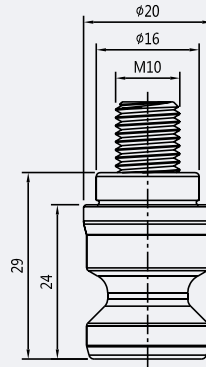
LD1216



Description

Dimension: $\phi 16 \times 34$ mm
Material: Hardened tool steel
Weight: 0.03Kg

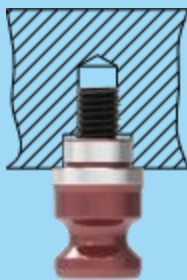
LD1620



Description

Dimension: $\phi 20 \times 40$ mm
Material: Hardened tool steel
Weight: 0.05Kg

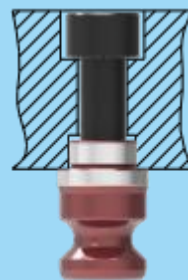
Installation method



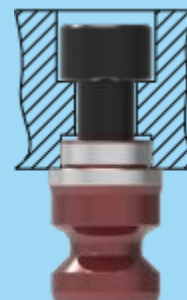
52



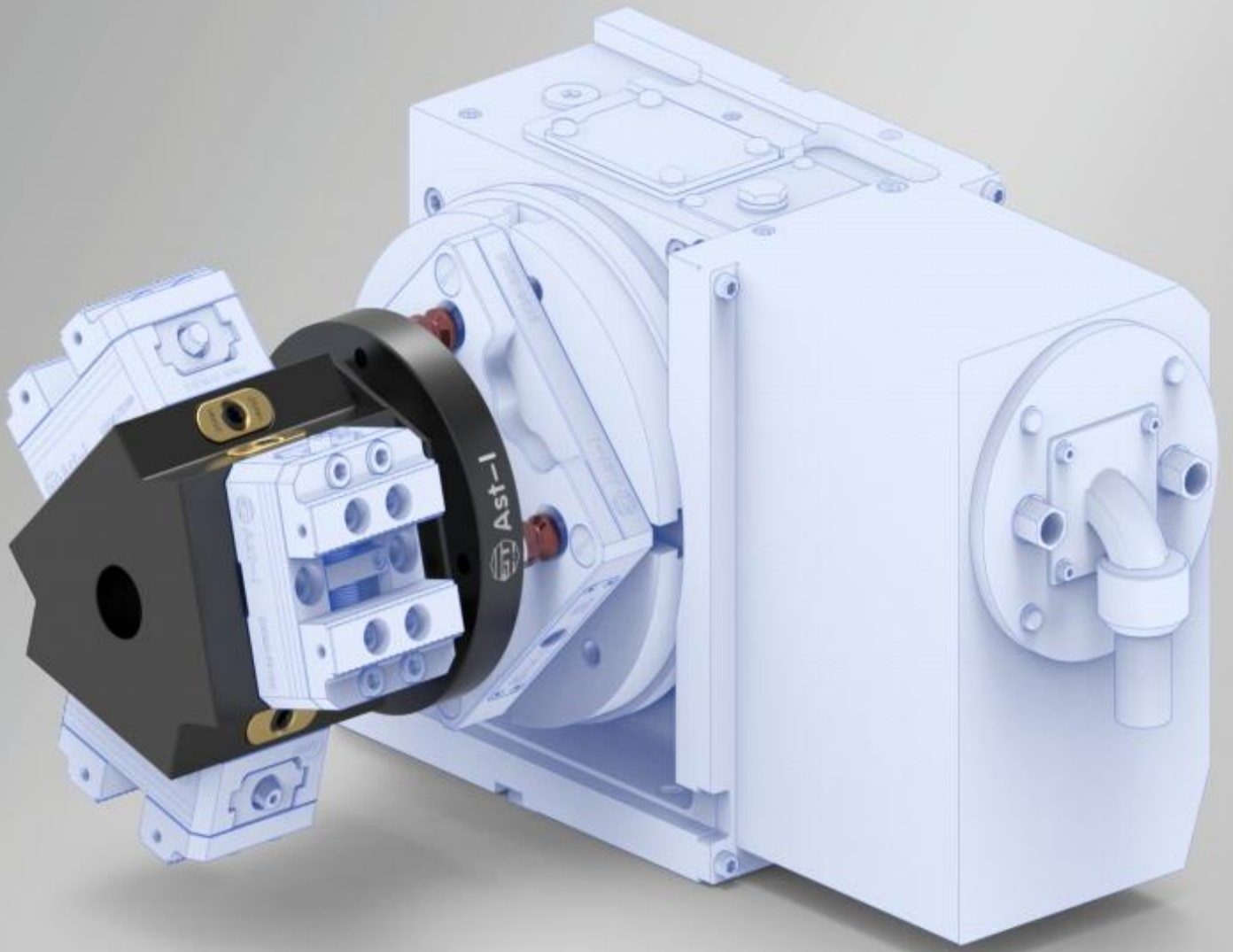
96



52



96



SK52-S160



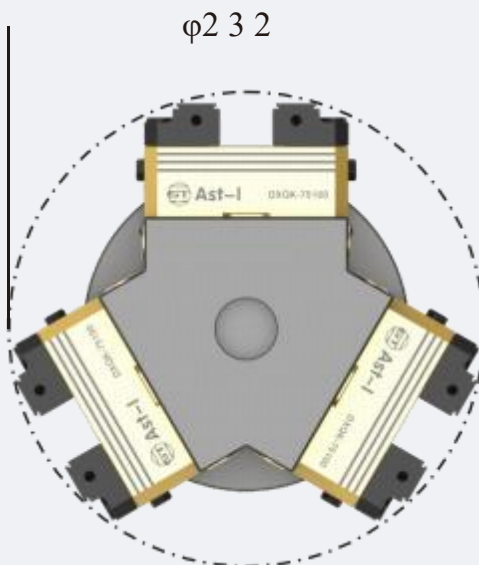
Description

Dimensions: $\Phi 160 \times 167$ mm

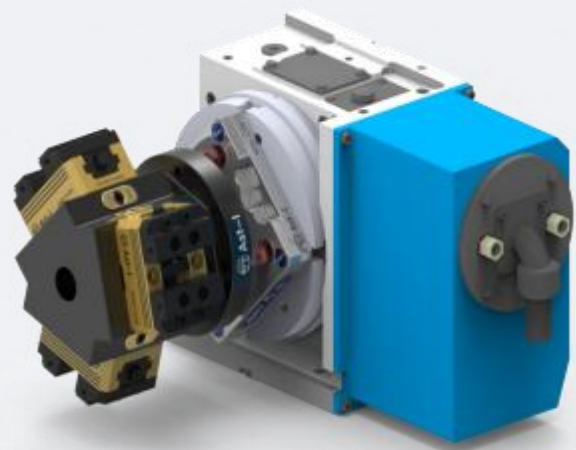
Material: AL + Steel

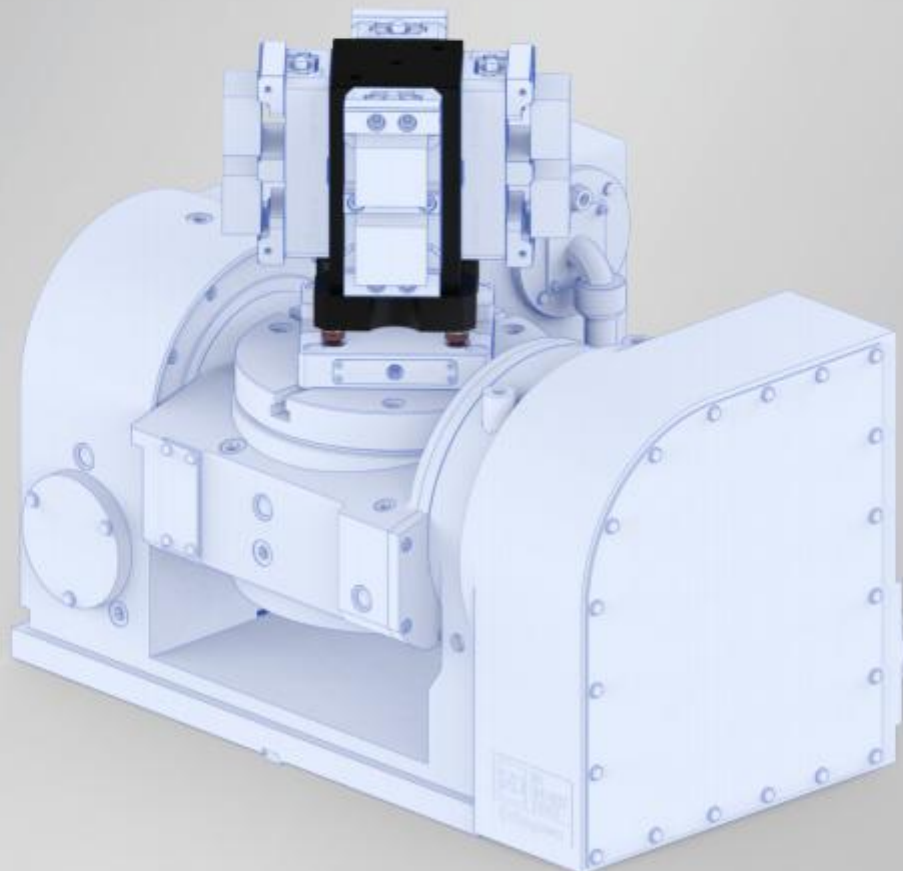
Weight: 6.8Kg

Bottom prefabricated 96 system spigot holes for quick and precise clamp in zero clamp system



Mounting three 75100 vices





Mini four-sided tooling tower for smaller 4- and 5-axis machines to keep space compact while increasing productivity, up to 8 vices can be installed, allowing the machine to run unattended, thus minimizing clamp time and allowing The operator can operate multiple machines.

75-A96



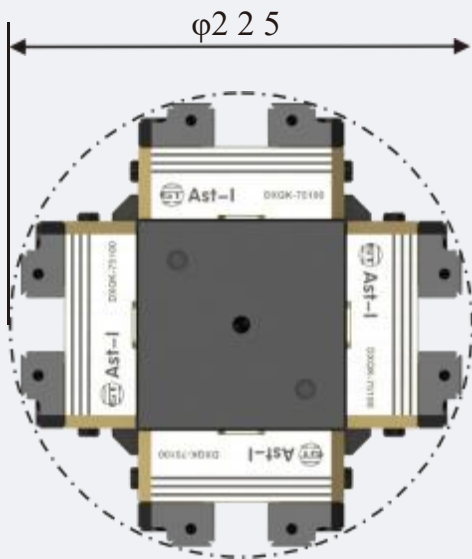
Description

Dimensions: 126×126*200mm

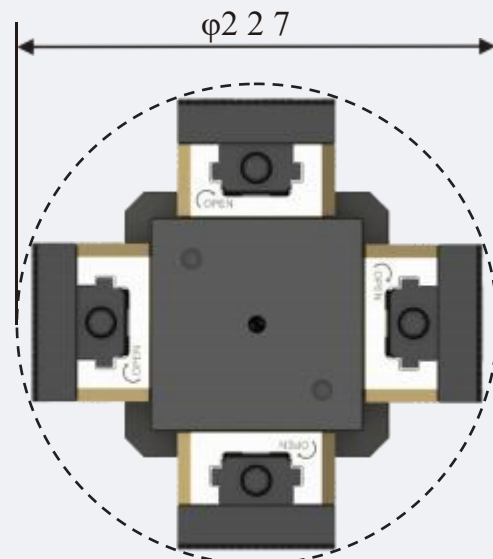
Material: AL

Weight: 6.5Kg

Bottom prefabricated 96 system spigot holes for quick and precise clamp in zero clamp system



Vise for horizontal mounting



Vise for vertical mounting

High strength, AL 3-sided pyramid with integrated quick-change plate for increased running time on 5-axis machines. Reduced number of tool changes, extended spindle accuracy.

SK96-D400



Description

Dimensions: $\Phi 395 \times 115$ mm

Material: AL

Weight: 32Kg

Angle : $\angle 30$ degrees Suiworkbench for machines with an inclination of 120° or more.

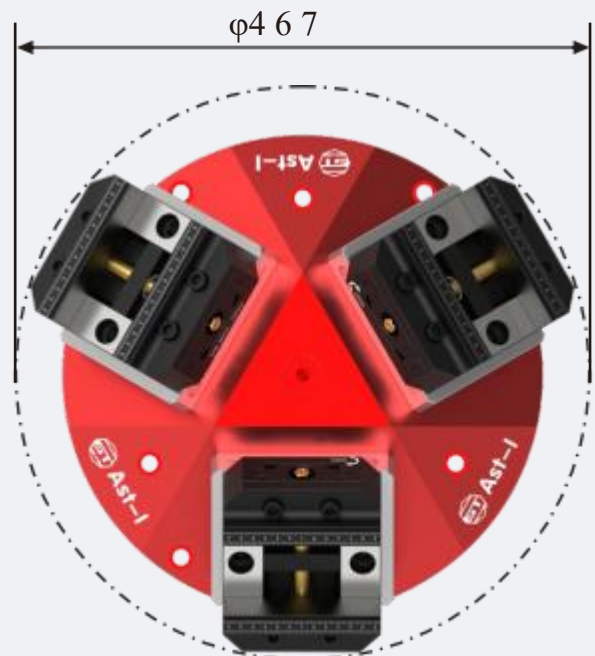
Bottom prefabricated 96 system spigot holes for quick and precise clamp in zero clamp system

Note: The make and model of the machine is required when ordering

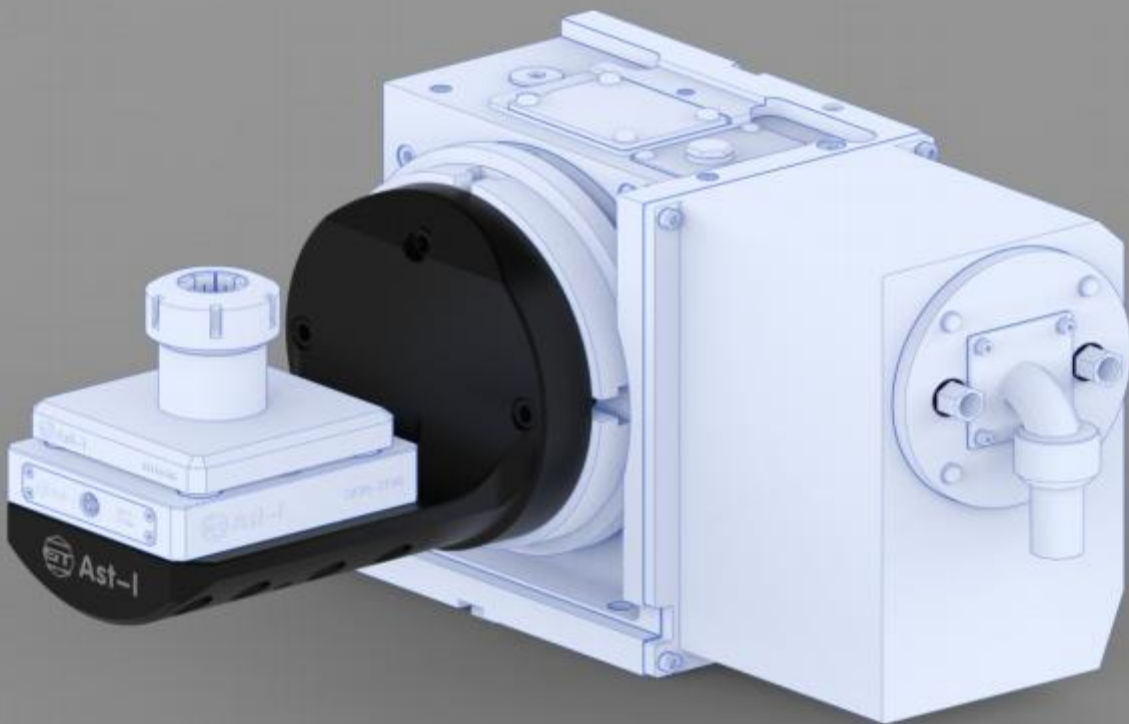
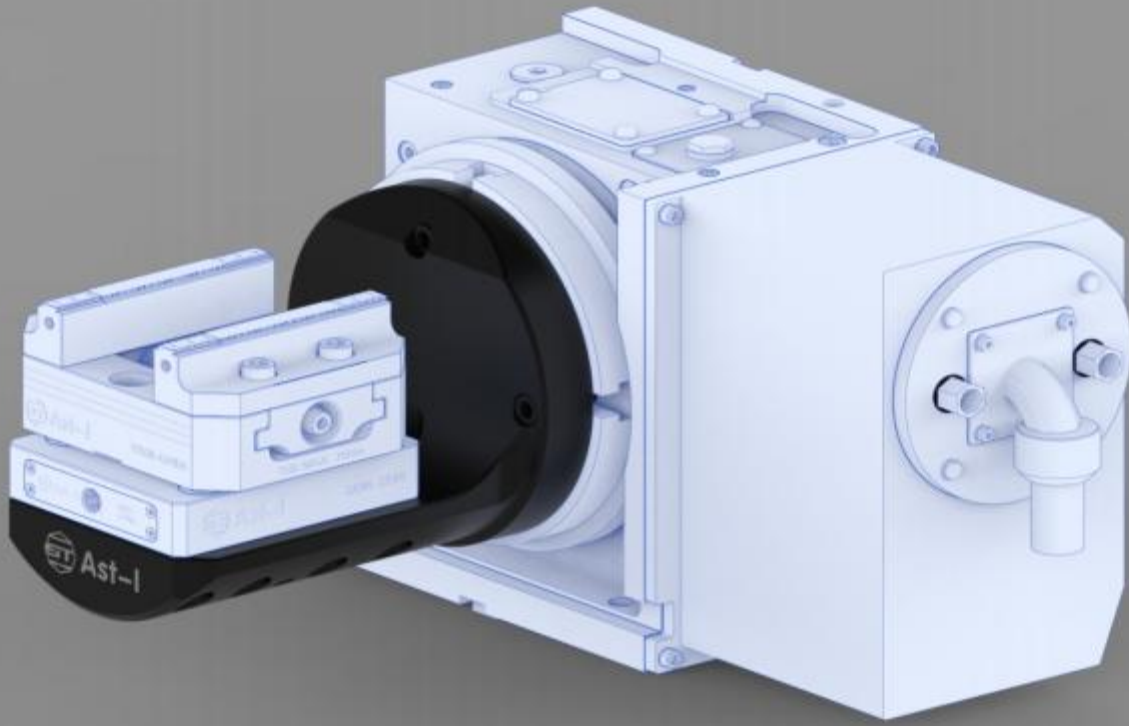
The spigot holes can be quickly and precisely clamped in the zero clamp system .



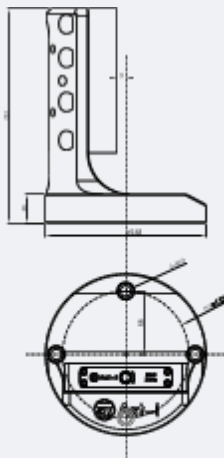
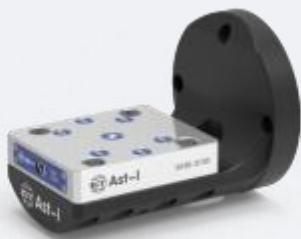
Vise for horizontal installation



Vise for vertical installation



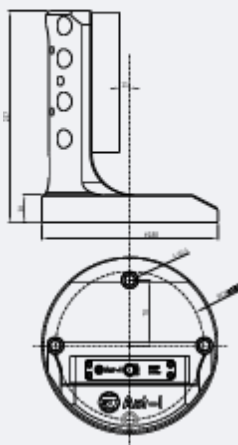
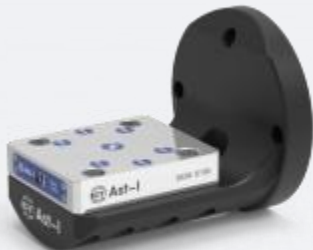
SK96-D170



Description

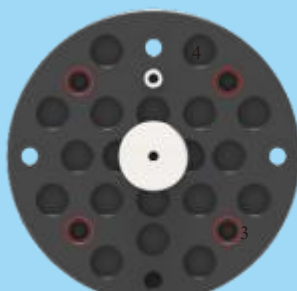
Dimensions: $\Phi 168 \times 223$ mm
 Material: Hardened steel + rustproof surface
 Weight: 9.6Kg

SK96-D190



Description

Dimensions: $\Phi 188 \times 227$ mm
 Material: Hardened steel + rustproof surface
 Weight: 12.2Kg



- 1 Centering pin
- 2 Directional alignment pins
- 3 Pre-formed 9 6 System spigot holes for fast and precise clamp in zero clamp systems
- 4 Lightweight design for effective reduction of 4-axis load
- 5 High vibration resistance and high

S1010-52



Description

Dimensions: 100×100*47mm
Material: prehardened steel
Weight: 2.2Kg
Can be custommade

S1515-96



Description

Dimension: 150× 150*51mm
Material: prehardened steel
Weight: 5.5Kg
Can be custom-made

AL75-M



Description

Size: 75×44*32mm
Material: Hard steel +
rustproof surface
Weight: 0.5Kg
Compatible with: dxqk -
130155 dxqk -
130250 dxqk -
125128

SL130



Description

Dimensions: 130×49*33mm
Material: Soft steel (can be customized)
Weight: 1.6Kg
Compatible :

- DXQK - 130155
- DXQK - 130250
- DXQK - 125128

AL130



Description

Size: 130×49*33mm
Material: AL (can be customized)
Weight: 0.6Kg
Compatible :

- DXQK - 130155
- DXQK - 130250
- DXQK - 125128

SL75



Description

Size: 75×44*24mm
Material: Soft steel (can be customized)
Weight: 0.6Kg
Compatible: DXQK-75100

- DXQK-77130
- DXQK-77150

AL75



Description

Dimension: 75×44*24mm
Material: AL (can be customized)
Weight: 0.3Kg
Compatible: DXQK-75100

- DXQK-77130
- DXQK-77150

Limiter



Description

Simple/adjustable workbench workpiece limiting assembly

Provides fast and accurate workpiece repositioning on workbench for all self-centering and duplexing vises

Centering pin



Description

Our positioning kits are easy to install and include screws, T-blocks, and bushings.

To ensure proper installation, please provide the machine make and model number when ordering

* Customer can make their own

Threaded locating pin



Description

Vise Quick change plate Fixed

LP6 - 6 mm

LP8 - 8 mm

LP10 - 10mm



S384-96



Description

Dimensions: 384×384*27mm

Material: prehardened steel

Weight: 29Kg Mounting hole distance:
50/63/80/ 100/ 126/ 150/ 160

SK96-L70



Description

Dimensions: 150×130*70mm

Material: pre-hardened steel + titanium plating

Repeat positioning: 0.005mm

Locking force: 22KN (4 bolts)

Weight: 9Kg