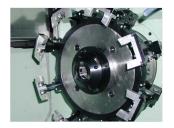


Special Customized Chuck

O.D collet chuck with chattering prevention



Feature

In addition to the chucking portion, it holds a workpiece in such a way as to wrap the outside diameter.

Advantage

The workpiece is less deformed and chatter is reduced by holding the outside diameter with pneumatic drive.

Clamping Work

Ex) Torque converter

S Type Collet Chuck with Finger



Feature

Workpiece is centered with the collet and clamped at the end face.

Advantage

Parallelism between the reference surface and machined surface can be secured due to end face clamping. If it is used in combination with a triple chuck cylinder, the inside diameter of a workpiece can be machined by moving the inside diameter collet into the chuck after clamping the workpiece end face.

Clamping Work

Ex) Ring gear, Front cover, Cover oil case

Lever Clamp Chuck



Feature

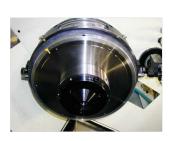
By changing the lever ratio, it can cope with long stroke as well as workpieces which cannot be clamped with three jaws.

Advantage

It can cope with irregular shaped workpieces.

Clamping Work Ex) Nozzle, tee piping, L-shaped connector

Automatic Eccentric O.D Collet Chuck



Feature

The drive cylinder is mounted to the machine and performs eccentric machining combined with spindle orientation.

Since automatic balance weight is included in the chuck body, weight adjustment when eccentricity occurs is not required.

Advantage

One machine can cope with two different eccentric amounts.

Clamping Work

Ex) Crankshaft, Cam

Face Clamp Chuck



Feature

Workpiece reference is located in front of the chuck. A workpiece is inserted from the side of the chuck and the inside diameter is machined.

Advantage

By clamping the end face, the roundness of the inside diameter of a cylindrical workpiece is improved.

Clamping Work

Ex) Socket



Hybrid Chuck



Feature

A mobile outside diameter clamp and a face clamp are combined in this chuck.

Advantage

Coexistence of the face clamp and the outside diameter clamp increases the rigidity of workpieces, leading to deflection prevention and cycle time reduction

Furthermore, a shaft outside diameter can be machined entirely in one process.

Clamping Work

Ex) Output Shaft, Input Shaft

Drive Carrier



Feature

It drives a workpiece with a hooking jig while supporting it with both centers.

Advantage

Since the workpiece is not clamped, it is not distorted and the runout accuracy against both centers is high.

Clamping Work

Ex) Rear axle shaft, Crankshaft for motor cycle

Double Taper Collet Chuck



Feature

The collet has tapers in the front and rear side and the both ends of a workpiece are clamped by them.

Advantage

By clamping the both ends of a workpiece, tilting of workpiece is prevented and holding rigidity is increased.

Clamping Work

Ex) Liner, Sleeve