modification

CNC Auto-lathe

# SHIOZAWA NEWS

Manufacturer

CITIZEN

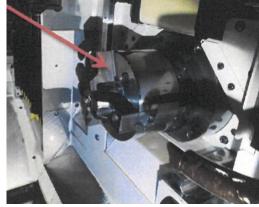
Model

MC20

Task

Chuck & cylinder replacement

【 Overview of repair machines : Chuck & cylinder replacement for auto-lathe】



No.

job

target

machine

classification



[Installation of chuck]

(Cylinder installation)

### [ Implementation details and approximate man-hours ]

- Accuracy inspection according to manufacturer's standards
- Check runout of journals for coolant in spindle as well as chuck cylinder.
- Balancing at maximum spindle speed by balancer device (within 2µ)

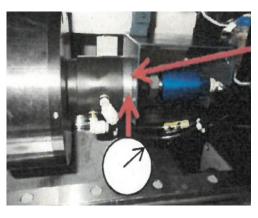
#### Post-order process;

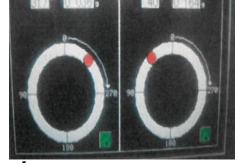
List of required parts: 7
days
Create replacement parts;
3 days

Works;1 day

Total:11 days

Key points of the exchange operation: Installation and accuracy check based on manufacturer's standards.





【Cylinder & journal runout: within 5µ】

【Confirmation of vibration by balancer device】

## (Overview of replacement works)

#### Preliminary inspection and preparation

- ◆ If a balancer device is required, the balancer device(device of the chuck manufacturer). should be prepared by the customer
- It is necessary to confirm the availability of technical data for parts other than the chuck & cylinder (drawbar & back plate, etc.).

#### Works

If parts are ready, the installation can be replaced in one day.

## Factors causing additional items

◆ If fabricated parts are required, technical data must be provided by the manufacturer.