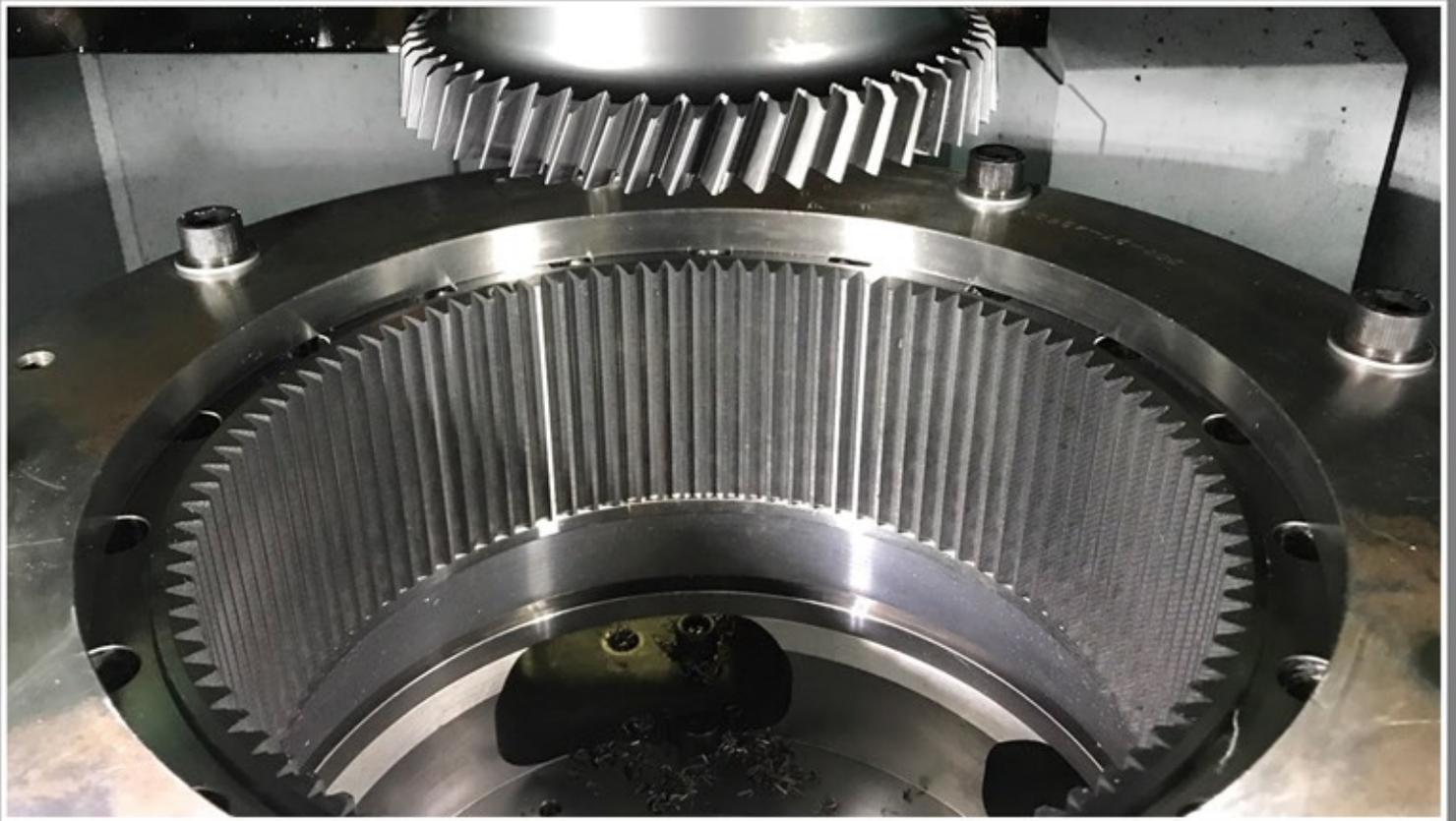


GEAR TECHNOLOGY

# GEAR SKIVING MACHINE GSV-60N



# GSV-60N

GSV-60N is designed to process large size internal gear up to m8.

Double column design is employed and provides excellent rigidity which guarantees high quality, high productivity as well as long tool life.



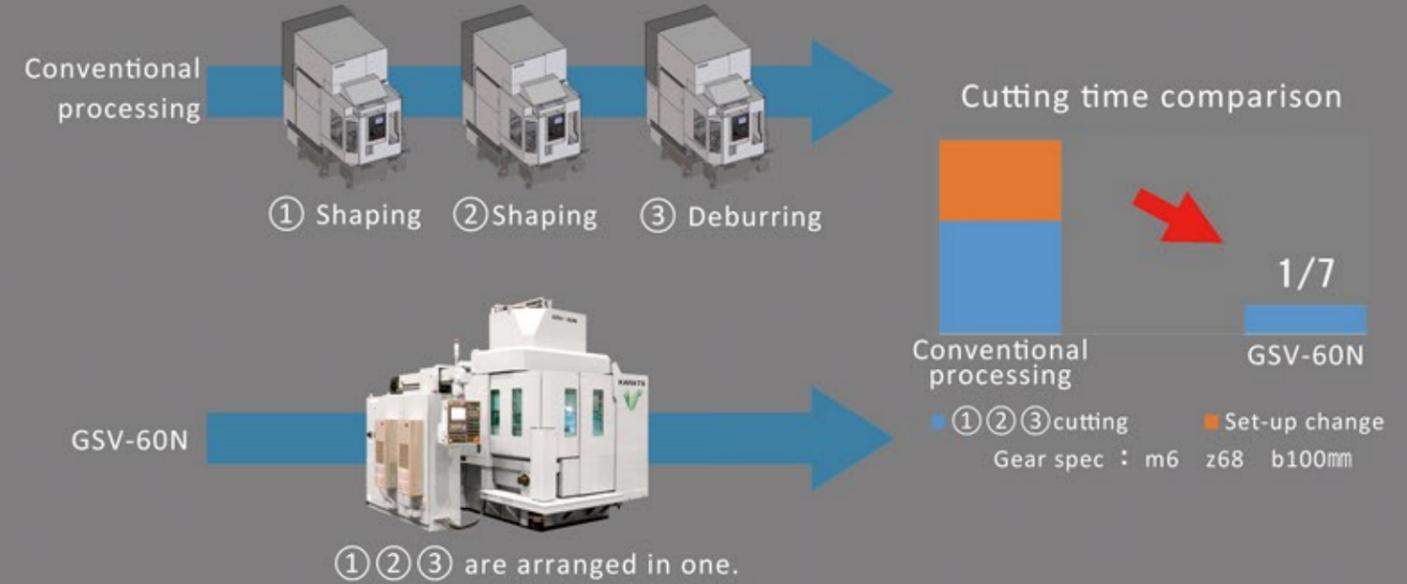
History of Karats gear technology started from production of a turbine pinion hobbing machine in 1921.

For 100 years Karats Precision has succeeded to produce many models and large numbers of gear processing machines.

This model is one of the master pieces.

## Significant improvement of productivity

- ① Significant reduction in gear cutting time
- ② Multiple processes are arranged in one.



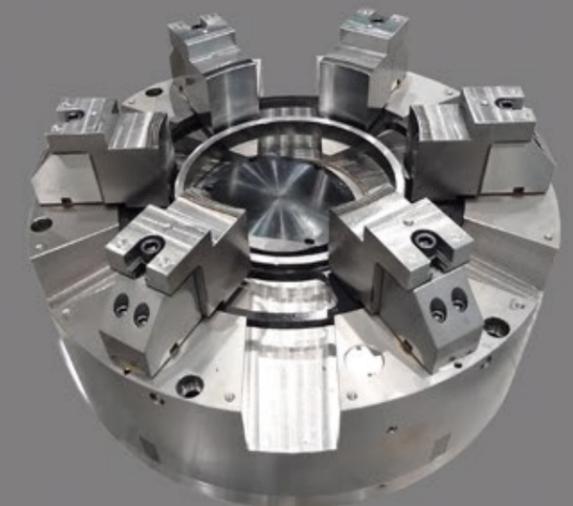
## Automatic tool changer

Continuous 2 cluster gears processing is available by use of auto tool changer. Deburring after gear processing is also available in a same cycle.



## Work fixture

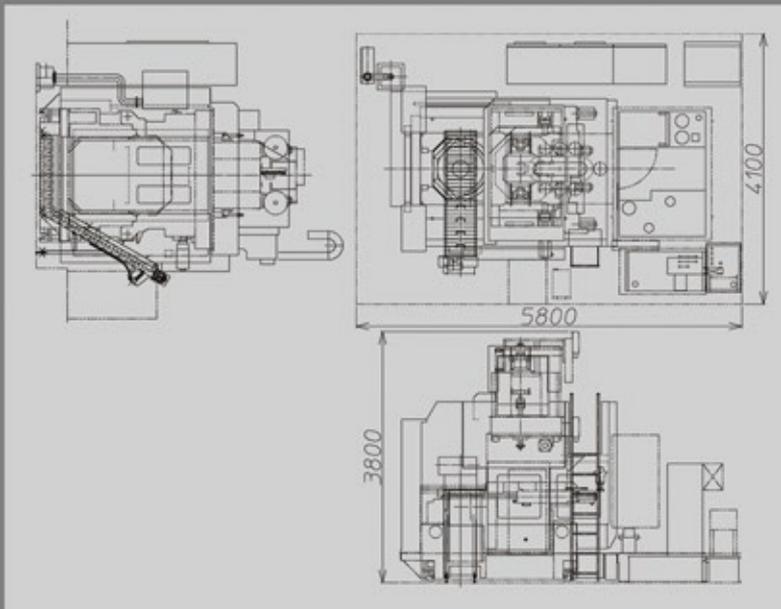
Automatic, high precision, and operation friendly work fixture is available on custom design.



## Specification

Diameter of work table	700mm(800mm)
Max.module	m8
Max.width of gear face	200mm
Max.helix angle	±30°
Max.cutter spindle rotation speed	600(Std.) / 900(H.S.) rpm
Diameter of cutter spindle	205mm
Diameter of table center hole	110mm
Rated capacity	120kVA
Cutter spindle drive motor (Continuous rating)	AC400V 30kW
Work table drive motor (Continuous rating)	AC400V 9.5kW × 2
Overall dimensions	3915mm × 5260mm × 4350mm
Net weight	19000kg

## Dimensions



## Standard equipment

- CNC system(FANUC 31i-B5)
- Control panel · Operation panel
- Macro for writing machining program
- Hydraulic oil unit
- Oil cooler for hydraulic oil unit

## Optional equipment

- CNC system(FANUC 30i-B)
- Cutter arbor
- Automatic tool changer
- Work orientating device
- Tool run out checking device
- Rotary cylinder
- Work seating sensor
- Mist collector
- Chip conveyer
- Automatic slide door
- Robot interface
- Illumination light for work area
- Signal light tower
- Electric leak breaker
- Air conditioner for control panel
- Energy saving device
- Large diameter table (800mm)
- Coolant device
- Oil skimmer
- Work fixture cleaning system
- Machine full cover
- Coolant shower gun
- Air gun

※Contents in this brochure are subject to modify without notice in case of machine improvement.

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