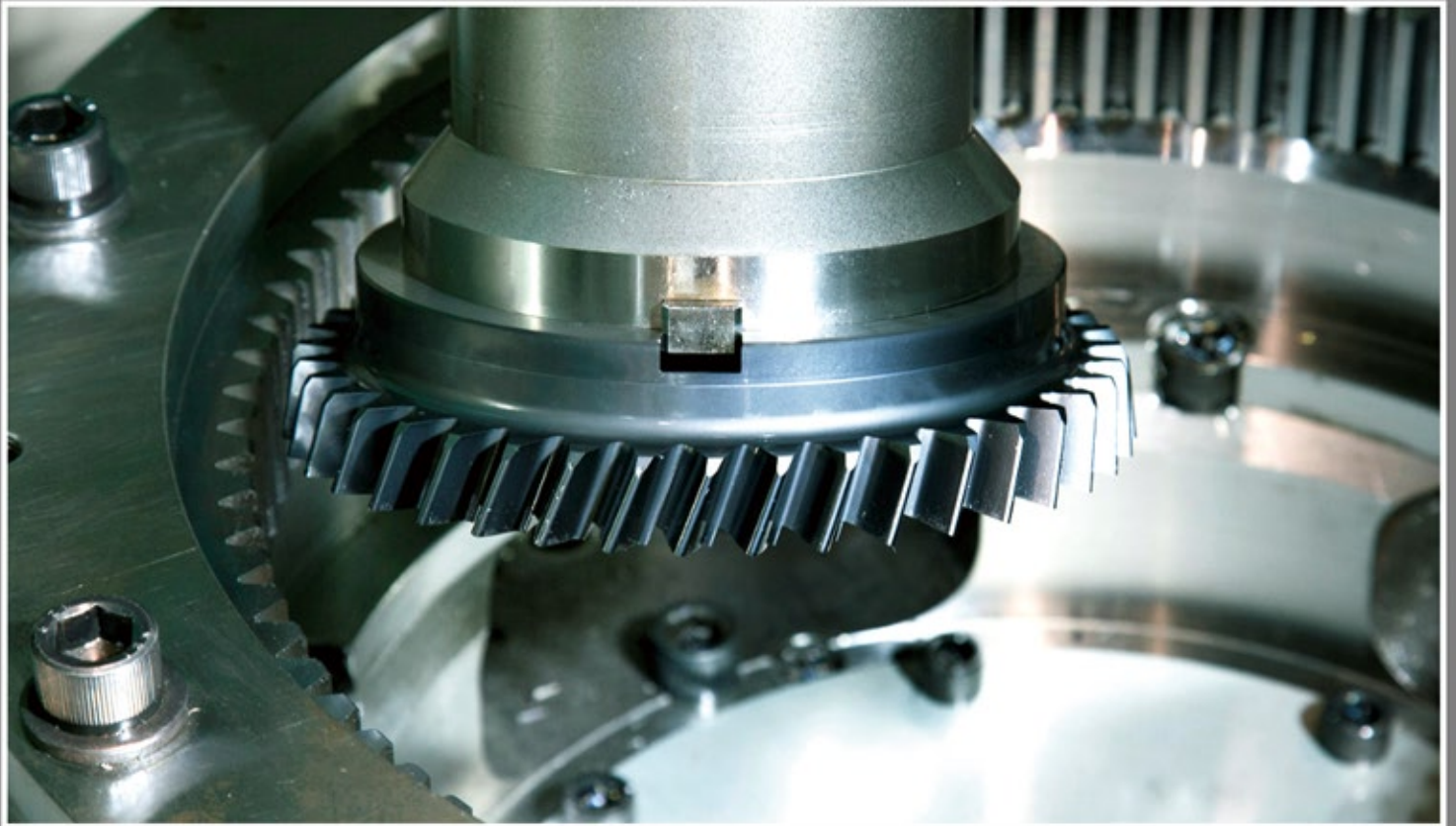


GEAR TECHNOLOGY

GEAR SKIVING MACHINE GSV-45N



GSV-45N

GSV-45N is the latest model of gear skiving machine specialized in machining medium size gears for reduction gear boxes, earth movers and large vehicles



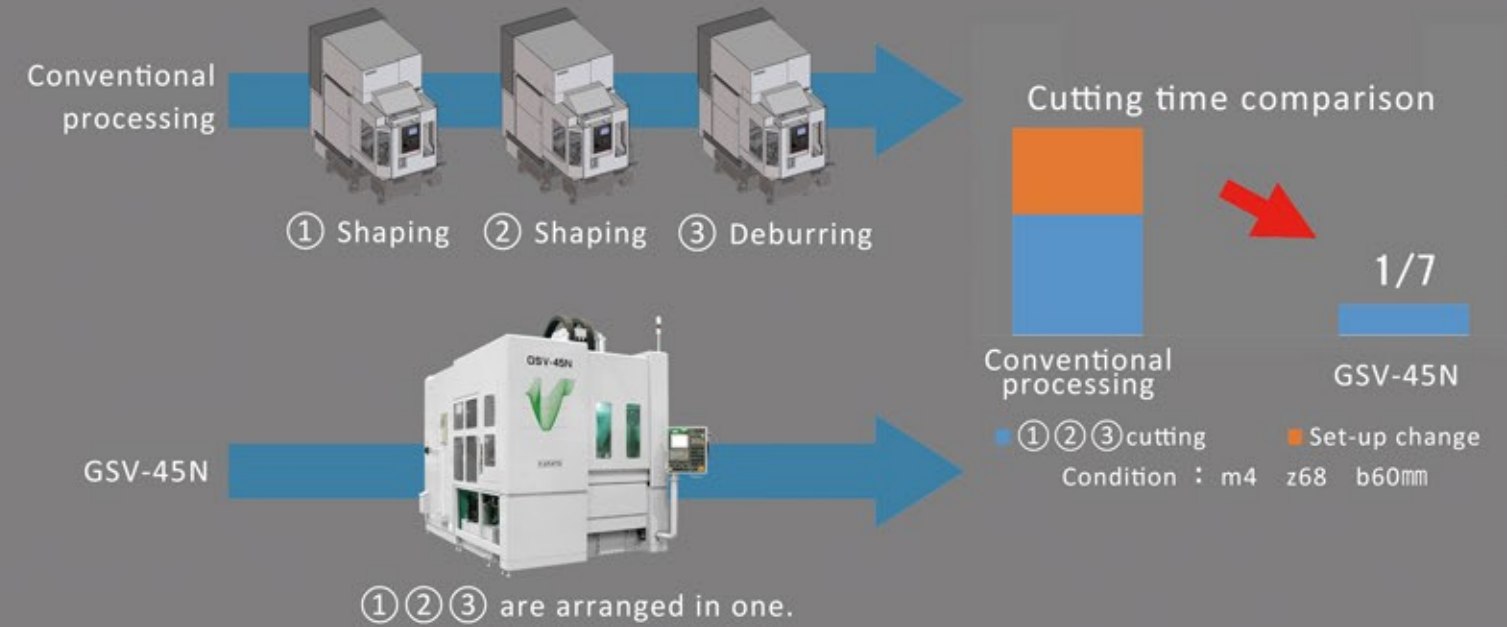
History of Karats gear technology started from production of a turbine pinion hobbing machine in 1921.

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

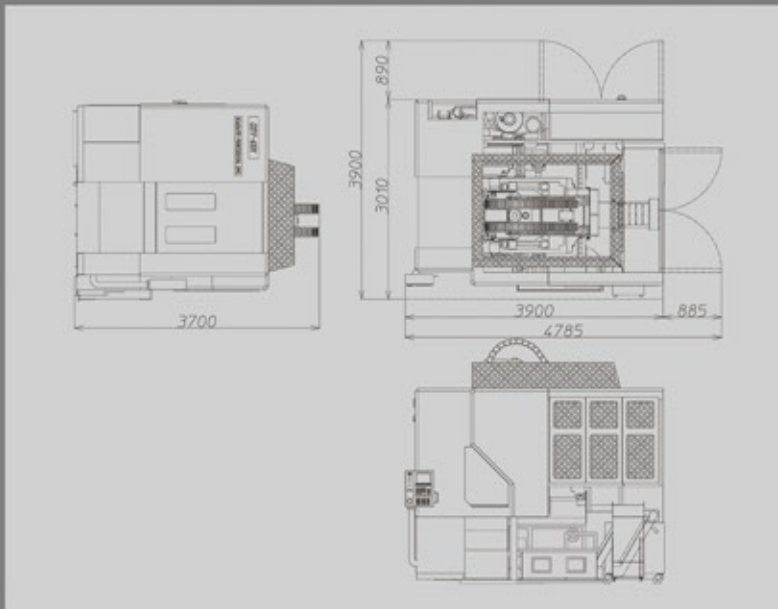
Automatic, high precision, and operation friendly work fixture is available on custom design.



Specification

Diameter of work table	450mm
Max.module	m6
Max.width of gear face	120mm
Max.helix angle	±30°
Max.cutter spindle rotation speed	640(Std.) / 950(H.S.) rpm
Diameter of cutter spindle	190mm
Diameter of table center hole	230mm
Rated capacity	120kVA
Cutter spindle drive motor (Continuous rating)	AC400V 31kW
Work table drive motor (Continuous rating)	AC400V 9.5kW × 2
Overall dimensions	2800mm × 3770mm × 3340mm
Net weight	17000kg

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

- Cutter arbor
- Automatic tool changer
- Work orientating device
- Work seating sensor
- Mist collector
- Chip conveyor
- Automatic slide door
- Illumination light for work area
- Signal light tower
- Robot interface
- Electric leak breaker
- Energy saving device
- Coolant device
- Oil skimmer
- Work fixture cleaning system
- Air conditioner for control panel
- Machine full cover
- Air gun
- Coolant shower gun
- Rotary cylinder

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

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