



DANOBAT

SURFACE GRINDING FOR HEAVY AND LARGE COMPONENTS

SG

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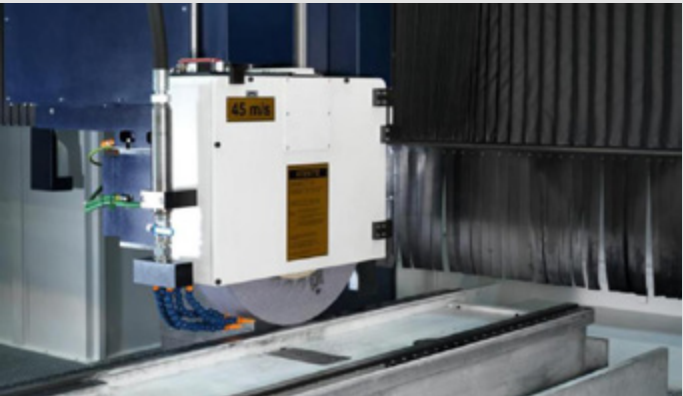
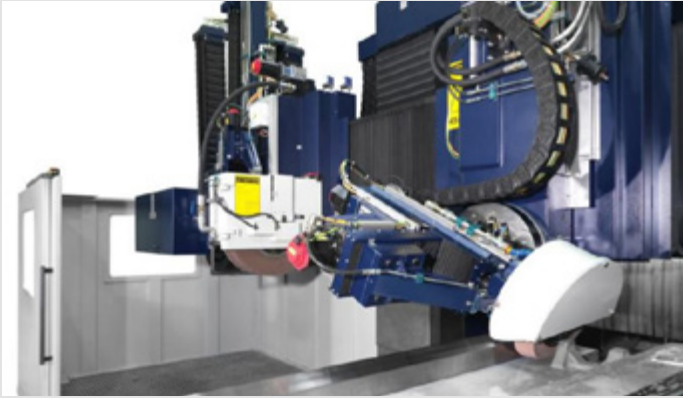
Double column slide way surface SG grinding machines with fixed or mobile cross rail and tangential (SGT), universal (SFU) and/or double wheelhead (SGD).

The DANOBAT surface grinding machines have been designed for precision grinding of machine tool beds and guideways, and complex heavy and large components.



SG TECHNICAL DESCRIPTION

TECHNICAL CHARACTERISTICS		SGU universal wheelhead	SGT tangencial wheelhead	SGD double wheelhead
Max. / min. grinding lenght	mm	14000 / 4000		
Max. table width	mm	3000		
Max. wheel diameter	mm	760		
Wheelhead power	kW	37		



- The machine base, columns and sub-assemblies are made of stabilized pearlitic cast iron for greater rigidity and designed to give thermal stability to ensure high degree of accuracy and repeatability.
- All major castings are stress-relieved after casting and also after pre-machining to ensure highest accuracy after assembly.
- All slideways are hand scrapped and completely protected by bellows or by fixed telescopic covers, against the ingress of contaminants.

Table movement drive system by double ground and hardened rack and pinion, each with opposite wise eliminating clearance for better accuracy. This transmission system avoids maintenance. Powered by two motor-reducer and CNC controlled by a rotary encoder, allowing programming concave and convex forms.

Optional equipment

- Automatic wheel changers.
- Different dressing units.
- Automatic grinding wheel balancing systems.
- Automatic gap eliminator and crash detector.
- Coolant filtration unit.
- Coolant chilling unit.
- Safety autoreturn of the wheelhead.