

CGX

Versatile and compact grinding machine

OD, ID, non-round and threads

Largest capacity in its class

Software: new features now available



Large part capacity in a compact footprint

The CGX is the only grinder in its class to deliver this level of part capacity in such a compact footprint: it uses 30% less floor space than other moving-table alternatives; yet still handles parts up to 1,800 mm in length, 540 mm in diameter, and 500 kg in weight.

Born to be versatile

The CGX features a versatile three-wheel configuration (2x OD and 1x ID) — designed to handle everything from OD and ID grinding to threads and even complex non-round shapes.

Workpiece:



7.8 in

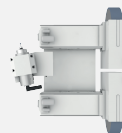


1,102 lb



21.2 in

2xOD + 1xID



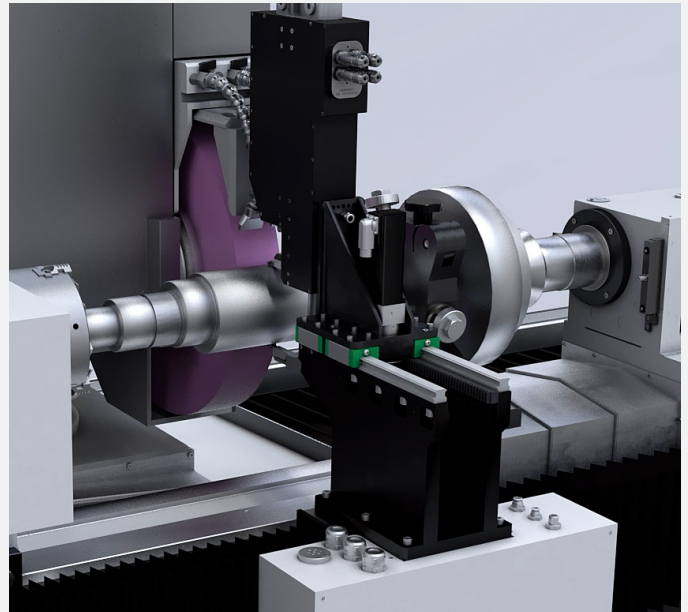
More about the CGX:



Need to measure and verify tight tolerances?

As an optional accessory, the CGX can be equipped with a built in-house MDM gauge, enabling pre-, in and post-process measurement without stopping production. It provides real-time control of multiple diameters (5–125 mm), even on interrupted or continuously varying surfaces.

- $\pm 1.5 \mu\text{m}$ accuracy
- $1 \mu\text{m}$ repeatability



An intuitive and easy-to-use software: DoGrind+, now with new features

- **GrindIQ – intelligent process setup**
Minimize manual input. Simply enter a few component details and GrindIQ automatically defines the optimal grinding parameters – reducing setup time and removing the need for advanced process expertise.
- **GrindTune – adaptive in-process optimization**
GrindTune continuously adjusts key parameters during the grinding cycle. It ensures delivering outstanding surface quality, dimensional accuracy, and shorter cycle times.



TECHNICAL CHARACTERISTICS

Max. distance between centers	70.8 in
Max. diameter to be ground	21.2 in
Max. weight between centres	1,102 lb
Max. external grinding wheel size	$\varnothing 20$ in x 6.3 in
Max. wheel peripheral speed	15.7 sfpm
External grinding spindle	20.1 hp

Danobat Inc.

4080 Winnetka Ave. - 2 Rolling Meadows - Illinois 60008 - USA +1 847 250 6168
www.danobat.com

