




DSG 720

DUAL FACE FINE GRINDING MACHINE SYSTEM



WORK PIECES UP TO
180 MM DIAMETER
75 MM THICKNESS

BASED ON A THREE WAY PLANETARY CONCEPT

-  Versatile and unique solution for solving critical tolerance issues on parts requiring:
 - Flatness capabilities: $< 1\mu^*$
 - Part to part size variance: $< 4\mu^*$,
 - Parallelism: $< 3\mu^*$
 - Surface finish: $< 0.25\mu^*$
 - Typical stock removal: 0.6 mm^* (* achieved on in house trials)
-  Processing of a wide range of materials and components including glass, ceramics, crystals and ferrous metals
-  Process is optimized by utilizing three programmable and independent drives

FOR PRECISE AND REPEATABLE RESULTS AT AN ECONOMICAL PRICE



HIGHLIGHTS DSG 720

STANDARD FEATURES

- ✔ Cast iron base
- ✔ Compact form factor
- ✔ Practical design
- ✔ Variable speed drive motors
- ✔ Upper head position swivel
- ✔ Uniform coolant distribution

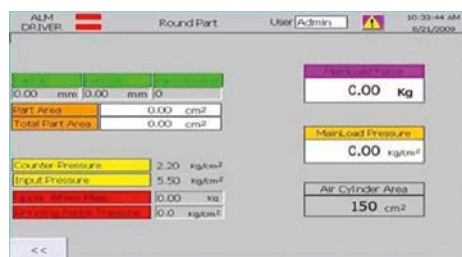
- ✔ Non contact probe
- ✔ Gap loading (indexing)
- ✔ Integrated modem
- ✔ Production flexibility
- ✔ PLC and HMI touchscreen
- ✔ Custom programming

OPTIONAL FEATURES

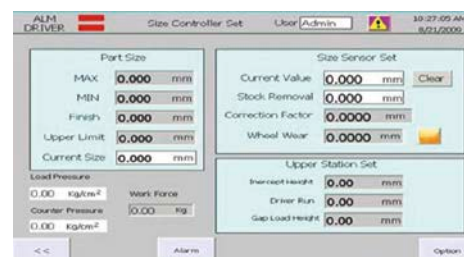
- ✔ Parts loading systems
- ✔ Filtration systems
- ✔ Chiller for grinding oil
- ✔ Non standard voltages
- ✔ Corporate colours



Program storage screen
Program storage is available for up to thirty process recipes



Pressure calculator
Automatically calculates optimum grinding pressure for round or square parts



Size control screen
Used for the initial setup of size control, plus any fine adjustments required

TECHNICAL DATA	DSG 720
Diameter plates [mm]	720
Carriers	pin driven
Carrier configurations	6 (standard), 8 (maximum)
Max. work piece thickness [mm]	75
Max. work piece diameter [mm]	180
Drive system	3 way drive system
Upper/lower wheel drive [kW]	5.5
Upper/lower wheel drive max. speed [rpm]	150
Inner carrier pin drive drive [kW]	2.2
max. speed [rpm]	100
Max. downforce [kg]	700
Machine dimensions [W x D x H] [mm]	1700 x 1500 x 2290
Machine weight approx. [kg]	2800
Electrical	460V, 3 Ph, 60 Hz
Air	600 kPa / 6 bar minimum
Water	100 kPa / 1 bar (if applicable)



Auto force control
Maintains a steady cut rate even for high stock removal rates, enables consistent production removal rates

GET IN TOUCH WITH US TODAY
TOGETHER WE WILL FIND A SOLUTION
FOR YOUR REQUIREMENTS

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