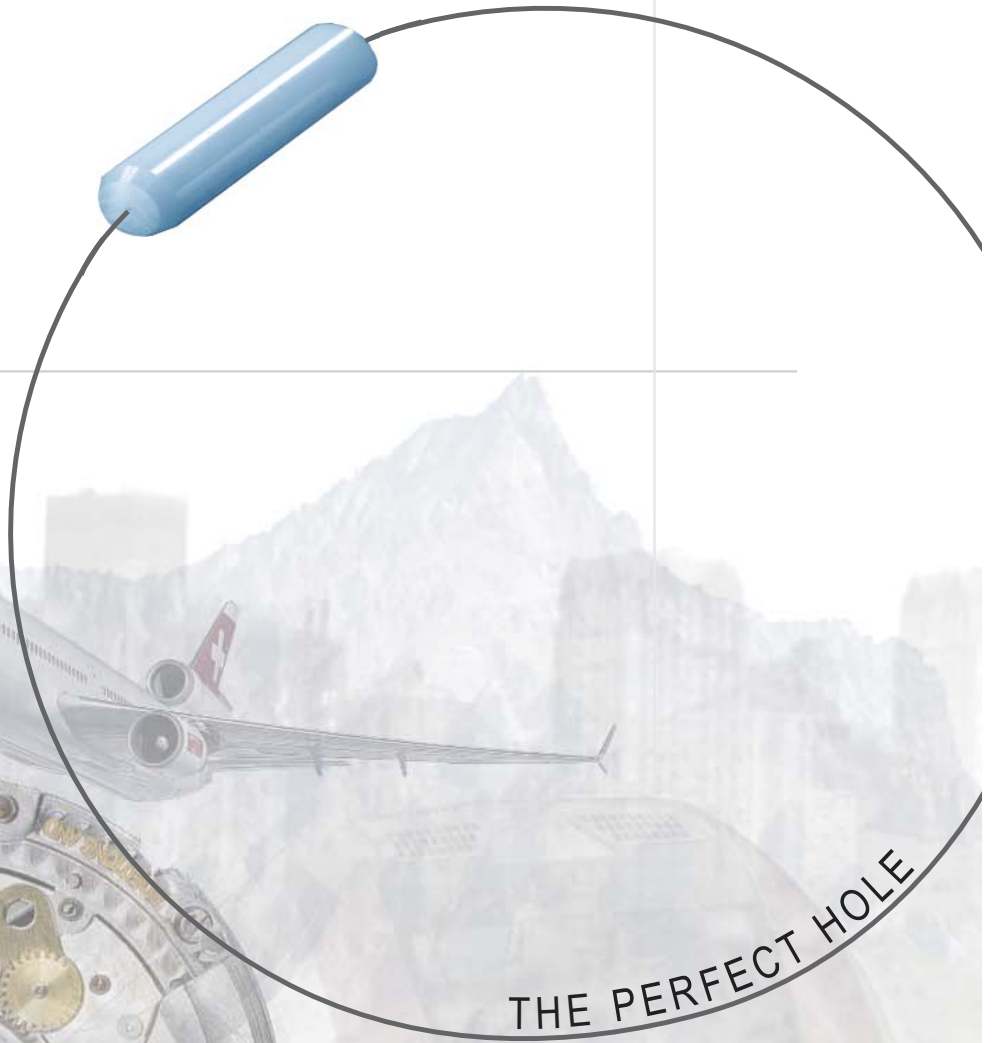
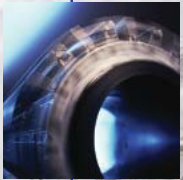


ENGINEERING

Bore Sizing Solutions

PreciGrind 2000



THE PERFECT HOLE

SCHLAFLI
Schlafli Engineering LTD

High Precision Wire – The Ideal Tool To Manufacture Perfect Bores!

PreciGrind 2000

outer diameter (OD) – range

inch 0.020" - 0.315"
metric 0.500mm - 8.000mm
(larger size available upon request)

bore diameter range (for guiding wire)

inch 0.004" – 0.236"
metric 0.100 mm – 6.000 mm
(larger size available upon request)

maximum part or “chain of parts” length

inch 35 1/2"
metric 900 mm

grinding wheel dimensions (standard)

inch 1A1 7" x 3/4" - 2 3/4" x 1 3/4"
metric 1A1 175x20-70x45mm
(other dimensions are available
upon request)

automatic process control (NC)

Siemens S7-200
step-motor

electrical specifications

voltage 200V – 230V
frequency 50Hz – 60Hz

dimensions

inch (LxHxW)
75" x 79" x 32"
metric (LxHxW)
1900 x 2000 x 800mm

weight 290kg / 640lbs.

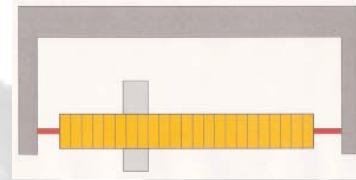


Wire guided centerless grinding

The PreciGrind 2000 is a centerless grinding machine designed to achieve, besides tight diameter tolerances, high concentricity accuracy (ID to OD).

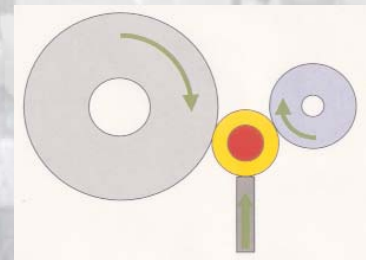
The parts to be ground must have an accurate bore through which a high precision wire is pulled. The parts threaded onto this guiding wire form a processing chain of parts up to 35 1/2" / 900mm in length. The wire is mounted onto the oscillating axis of the machine.

(Please see underneath graphic)



The grinding process is based upon a standard centerless grinding machine concept.

(Please see underneath graphic)



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