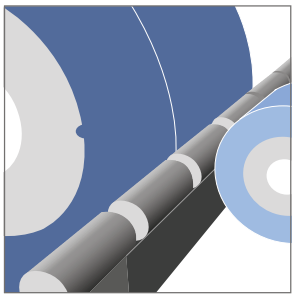
CYLINDRICAL GRINDING

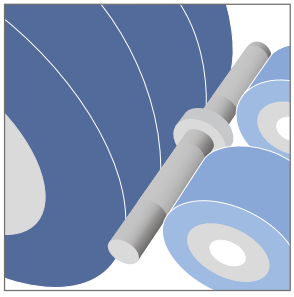
PRECISION MACHINING OF SPECIAL GEOMETRIES

Complex workpieces, difficult-to-machine materials with high surface finish and geometric requirements, precision and spiral free - ATLANTIC proposals for cylindrical grinding applications enables the precise machining of special geometries whilst providing particularly high productivity.

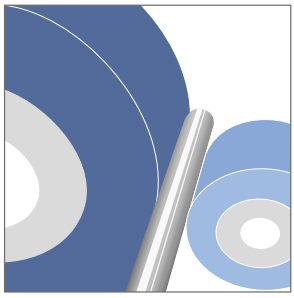
Centreless external cylindrical grinding



Thrufeed
e.g. bolts, needles, rollers, shock absorber rods, etc.

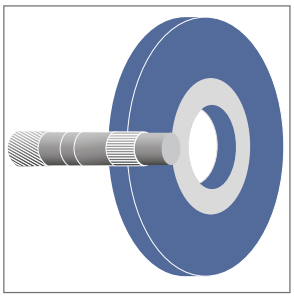


Plunge grinding
e.g. axles, shafts, pistons, tap blanks, fuel injection needles, spool control valves, punches, etc.

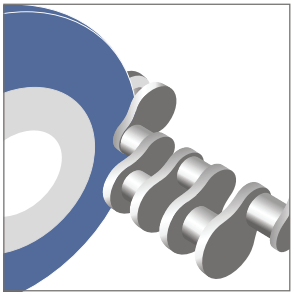


Bar grinding
e.g. all possible bright steel products, both after peeling /straightening and after drawing/straightening

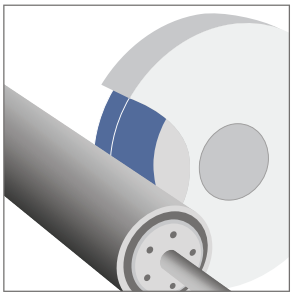
External cylindrical grinding between centres



Cylindrical traverse grinding
e.g. shafts, axles, pins, dies, circular knives, tubes etc.



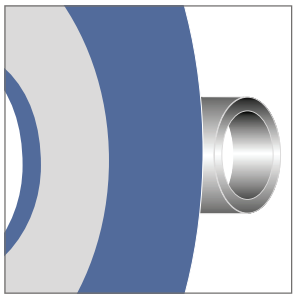
External cylindrical plunge grinding
e.g. crankshafts or camshafts, piston rings, cylindrical shaped parts etc.



Roll grinding
in the cold or hot strip mill of the steel industry, in the aluminium industry and for rolls used in the production of paper and foils.

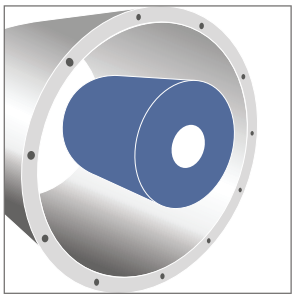
Scan code now!
Here you will find 3D animations of our grinding processes.

External cylindrical grinding between centres

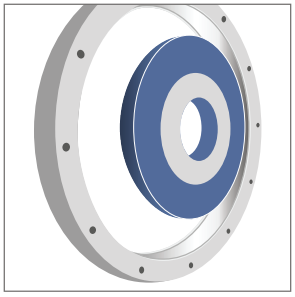


Raceway grinding
Inner ring
e.g. ball bearing or roller bearing

Internal cylindrical grinding

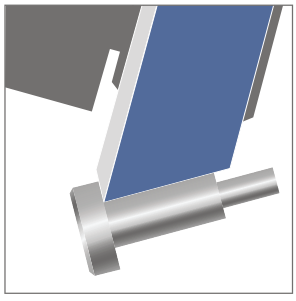


Cylindrical bores
inner diameter



Raceway grinding
outer ring
ball bearing or roller bearing

Angular plunge grinding (combination of cylindrical and face grinding)



Angular plunge grinding
e.g. gear shafts, axles, turbocharger shafts, fuel injection nozzles