

# WELCOME TO THE WORLD OF CYLINDRICAL GRINDING

# DO SOME OF THESE PARTS RING A BELL?



Injector Needle



Gear Shaft



Injector Nozzle



Pump Gear



Control Valve



Valve



Turbo Charger



Ball Screw Spindle



Plug Gauge



Oil Drills



Pump Housing



Lead Screw



Taper Roller



Pinion



Worm Shaft



Tensile Tester



Tablet Punch



Ball Nut



Sleeve



Valve Piston



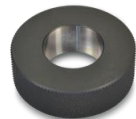
Valve Spool



Step Drill



Hip Ball



Standard Master



Ring Gauge



Collet



Form Punch



Thread Gauge

# YOU ARE IN GOOD COMPANY - INDUSTRY LEADERS TRUST IN OUR PRODUCTS



**90%**

of the top 20 automotive manufacturers

**67%**

of the top 50 automotive suppliers

**67%**

of the top 50 aerospace manufacturers

**70%**

of the top 30 cutting tool manufacturers

**50%**

of the top 30 machine tool manufacturers

**80%**

of the top 10 heavy equipment manufacturers

**50%**

of the top 10 gas turbine manufacturers

# UNITED GRINDING IN NUMBERS



**~ 2'500**  
employees

**+15'000**  
customers



**~ 550**  
Customer Care  
employees



in **+ 40**  
countries present



**+ 20**  
locations

**~ 10%**  
apprentices



**+ 150'000**  
supplied machines



**~ 30**  
nationalities



**100%**  
independent



**~ 50'000**  
installed machines

# STUDER COMPETENCIES

OD Grinding



ID Grinding



Eccentric Grinding



# STUDER PRODUCT LINE



## UNIVERSAL INTERNAL CYLINDRICAL GRINDING MACHINES

S121 | S131 | S141 | S151



## CONVENTIONAL CYLINDRICAL GRINDING MACHINES

S20 | S30



## PRODUCTION INTERNAL CYLINDRICAL GRINDING MACHINES

S110 | S122



## UNIVERSAL EXTERNAL CYLINDRICAL GRINDING MACHINES

favorit | S31 | S33  
S41 | favoritCNC



## RADIUS INTERNAL CYLINDRICAL GRINDING MACHINES

S121 Radius | S131 Radius  
S141 Radius



## EXTERNAL PRODUCTION CYLINDRICAL GRINDING MACHINES

S11 | S22



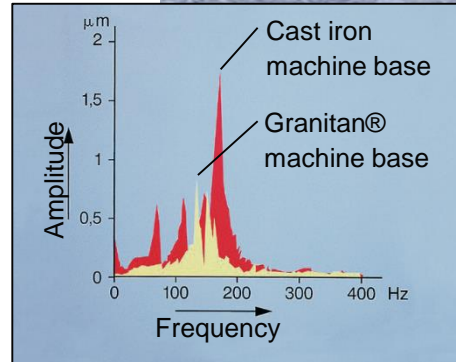
## COMBINATION GRINDING MACHINES

## STUDER – SOME KEY FEATURES

### Granitan® machine bed

The excellent dampening behavior of the machine base ensures outstanding surface quality of the ground parts. The service life of the grinding wheel is also increased, leading to reduced downtime.

Temporary temperature fluctuations are extensively compensated by the favorable thermal behavior of mineral cast. This provides high stability throughout the day.



Vibration behavior of gray cast iron and Granitan®

# STUDER – SOME KEY FEATURES

## StuderWIN

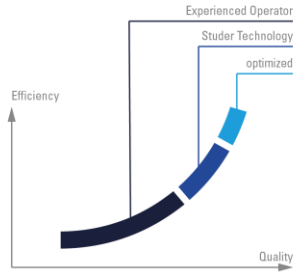
Latest software technology

Studer-Pictogramming

- Fast and easy programming
- Extensions through micro functions
- Animations

StuderTechnology

- Integrated technology database
- Based on over 100 years of grinding experience
- Consideration of approx. 300 parameters
- Expandable with personal experience values





# CONTACT

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