

2.5 Technische Daten

2.6 Leistungs- und Arbeitsbedingungen

2.6.1.1 Allgemeine Prozessdaten Schleifmaschine

Glasplattendicke	2-12 mm
Glasplattenbreite max.	2605 mm
Glasplattenbreite min.	550 mm
Glasplattenlänge max.	2205 mm
Glasplattenlänge min.	550 mm
Arbeitshöhe Bohrmaschine	1035 mm
Max. Traglast Roboter	200 kg
Max Glasgewicht	115 kg
Max Abmessung für Roboter	2200 mm x 2600 mm x 8 mm

2.6.1.2 Doppelseitige Schleifmaschinen

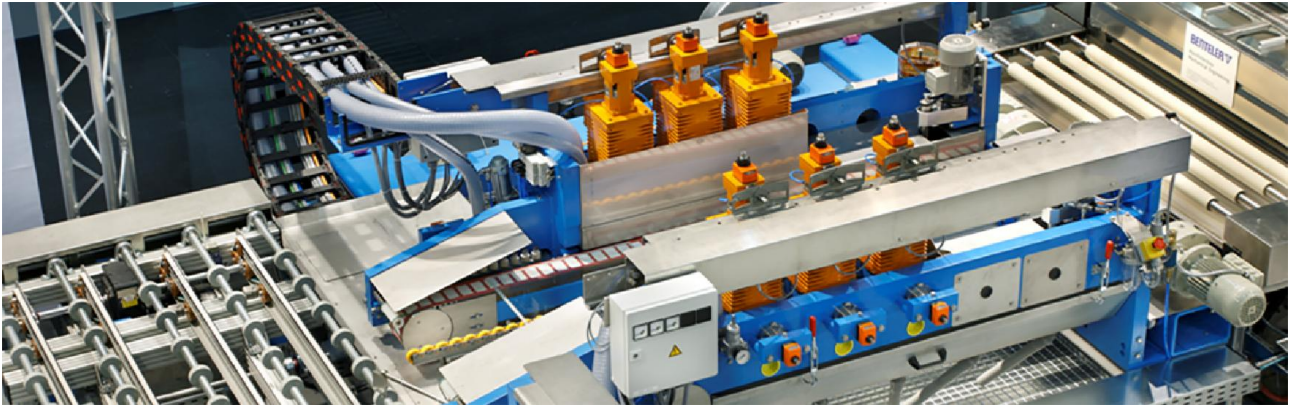
Schärfsteinhalter vorgesehen für:	
– Max. Breite der Schärfsteine	30 mm
– Max. Dicke der Schärfsteine	15 mm
– Max. Länge der Schärfsteine	150 mm
Fördervolumen der bauseitigen Kühlwassereinspeisung	2 x 280 l/min bei 1,0 bar
Transportgeschwindigkeit	3-20 m/min
Arbeitsgeschwindigkeit	glasdickenabhängig
Schallpegel	80 ^{±2} dB (A)
Verstellgeschwindigkeit Breitenverstellung	3,0 / 0,3 m/min
Drehzahl der Kantenschleifstationen	ca 2800 min ⁻¹

2.6.1.2.1 Weitere Daten von Schleifmaschine 1

Feste Maschinenseite	rechts
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2.6.1.2.2 Weitere Daten von Schleifmaschine 2

Feste Maschinenseite	rechts
Drehzahl der Eckenstoßscheibe	6000 min ⁻¹
Eckengröße	1 ^{±0,75} mm



Pencil-Edge Grinding Machine

The BENTELER standard Pencil-Edge Grinding Lines convince due to their optimal grinding results based on precision, speed, and process reliability. The very robust design of the Pencil-Edge Grinder makes longterm work possible (24/7) and has proven to be especially economical.

Advantages

High precision:

- Good grinding results also for large raw glass tolerances
- Machine frame and components of especially stable design for low vibration glass processing
- Precise width adjustment with fully automatic support bars for the exact positioning of the glass edges, also for large glass widths

Flexibility:

- Up to five grinding spindles for each side, therefore more flexible setup with a large application range
- Flexible design with a wide range of application
- Optional with an automatic glass thickness adjustment

Process reliability:

- Completely encapsulated high-precision grinding spindles with long service life in wet and abrasive environments

Simple operating:

- Automatic side and angle orientation to prevent unground glass surfaces and burns
- Two synchronous motors for the transport and pressure belt support of each spindle for exact glass carriage and for rapid belt exchange

Technical data:

- Max. glass size: 3.000 x 3.000 mm
- Glass thickness: 1,3 – 8 mm
- Width adjustment speed: 30 m/min
- Working speed: max. 20 m/min

Fields of application: Architectural Glass, Technical Glass