



**EKZ 3500**

## EKZ 3500

Our sophisticated Czochralski-Puller for the mass production of silicon crystals up to 300 mm diameter

### Technical Data

#### Puller Data

Crucible diameter:	up to 610 mm (24")
Crystal diameter:	up to 300 mm
Crystal length:	up to 2.5 m
Charge size:	up to 200 kg
Vessel diameter:	approx. 940 mm
Vessel height:	approx. 1,680 mm
Gate valve diameter:	up to 360 mm
Receiving chamber:	door/tube
Weight (Puller):	approx. 9,000 kg
Weight (power cabinet):	approx. 1,400 kg
Weight (control cabinet):	approx. 360 kg

#### Crucible drive unit

Lifting speed:	0.02 ... 200 mm/min
Stroke:	approx. 600 mm
Rotation speed:	0.5 ... 35 rpm

#### Crystal drive unit

Lifting speed:	0.1 ... 1,000 mm/min
Rotation speed:	0.5 ... 35 rpm

#### Utilities

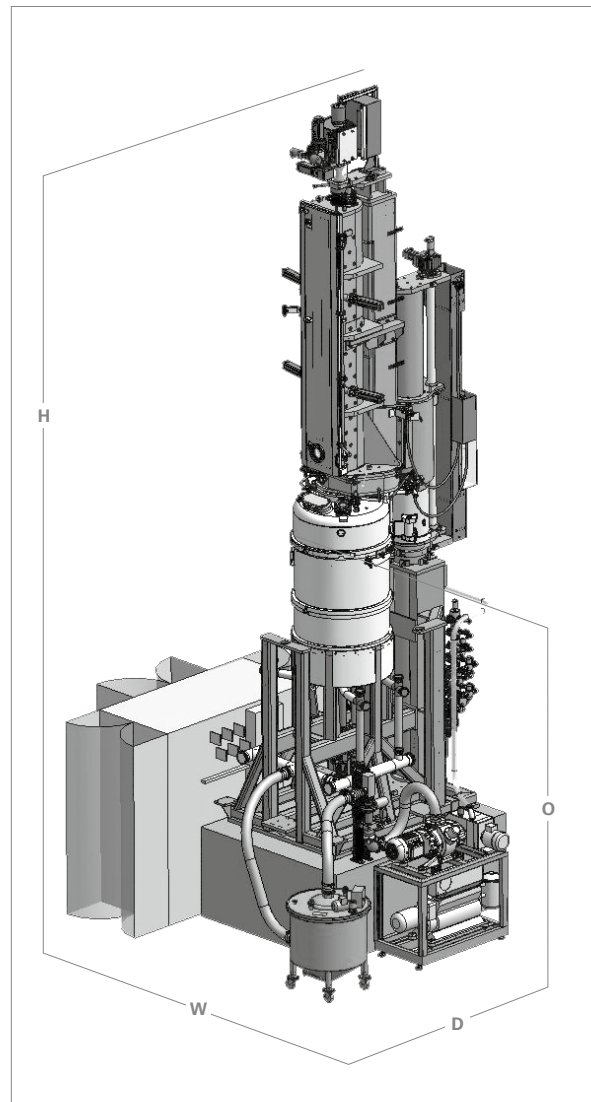
Power supply:	max. 300 kVA
Process gas:	max. 120 l/min
Compressed air:	4 ... 6 bar
Water pressure:	max. 4 bar
Water consumption:	max. 300 l/min

#### System Control

Automatic process control by PLC / PC:	equipped as standard
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#### Options

Granular feeding system / Hot Zone upgrade up to 26"  
 Vacuum pumping / SiO filter system  
 Magnetic system / Production Management System



### Dimensions (approx.)

<b>Height (opened)</b>	(H)	10,300 mm
<b>(closed)</b>		9,200 mm
<b>Width</b>	(W)	4,200 mm
<b>Depth</b>	(D)	3,800 mm
<b>Operator level</b>	(O)	3,500 mm

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