



EKZ 3500

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

Technical Data

Puller Data

Crucible diameter:	up to 660 mm (26")
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. 1680 mm
Gate valve diameter:	up to 360mm
Receiving chamber:	door/tube
Weight (Puller):	approx. 9000 kg
Weight (power cabinet):	approx. 1400 kg
Weight (control cabinet):	approx. 360 kg

Crucible drive unit

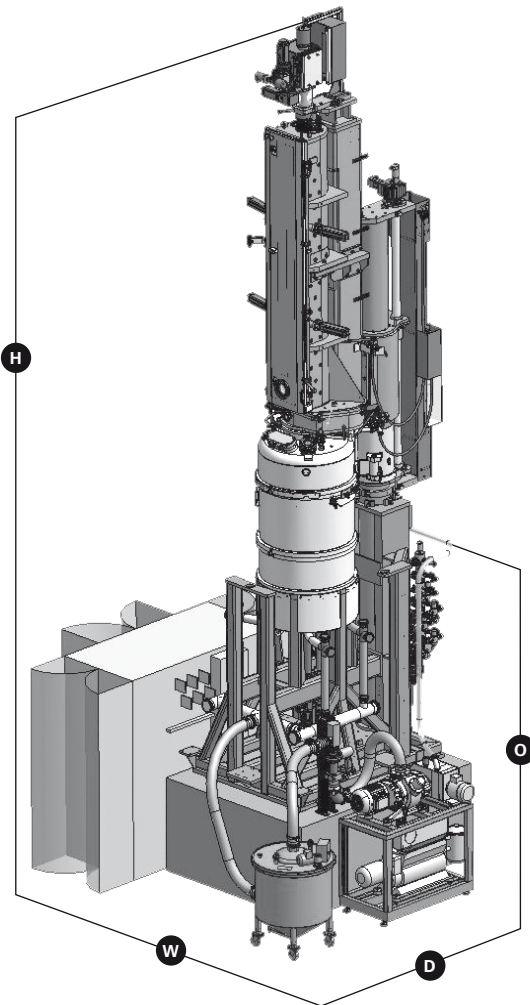
Lifting speed:	0.02 ... 200 mm/min
Stroke:	approx. 650 mm
Rotation speed:	0.5 ... 35 rpm

Crystal drive unit

Lifting speed:	0.1 ... 1000 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. 200 l/min



Dimensions

(approx.)

H	Height (opened)	10300 mm
	(closed)	9200 mm
w	Width	4200 mm
D	Depth	3800 mm
O	Operator level	3500 mm

System Control

Automatic process control by PLC / PC: equipped as standard

Options

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