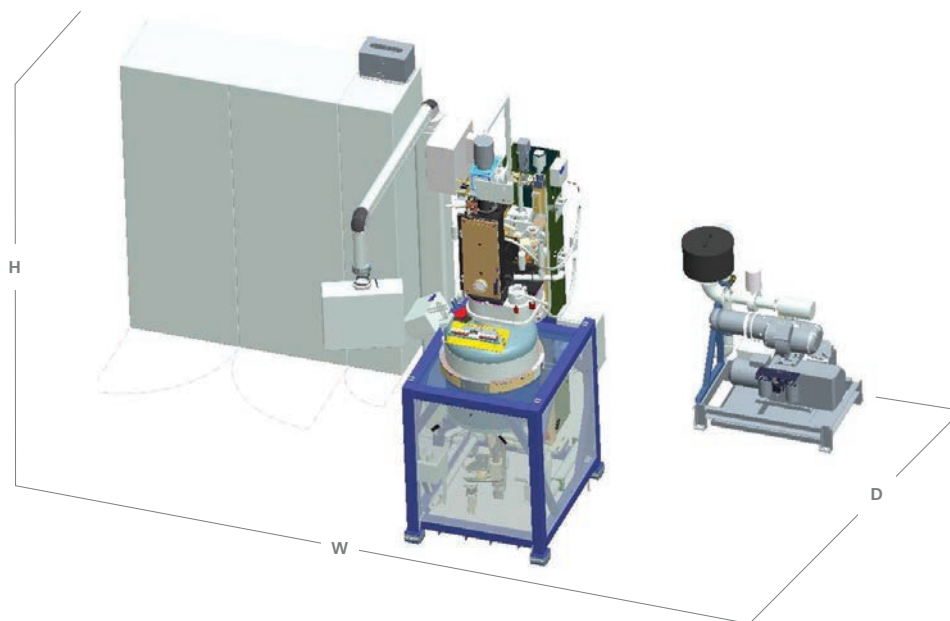




**CGS-Lab**

## CGS-Lab

Our Czochralski Crystal Growing System for the production of silicon crystals up to 100 mm diameter and 300 mm length in laboratories.



### Technical Data

#### Puller Data

Crucible diameter:	up to 254 mm (10")
Crystal diameter:	up to 100 mm (4")
Crystal length:	up to 300 mm (12")
Charge size:	up to 5.0 kg (11 lbs)
Vessel diameter:	approx. 590 mm (23")
Vessel height:	approx. 1,000 mm (39")
Weight (puller):	approx. 2,500 kg (5,512 lbs)

#### Crucible drive unit

Lifting speed:	0.02 to 200 mm/min
Stroke:	approx. 200 mm (8")
Rotation speed:	0.5 to 35 rpm

#### Crystal drive unit

Lifting speed:	0.1 to 500 mm/min
Rotation speed:	0.1 to 35 rpm

#### Utilities

Power supply:	up to 50 kW
Process gas:	up to 100 l/min
Compressed air:	4 ... 6 bar
Water pressure:	up to 4.5 bar
Water consumption:	up to 120 l/min

#### System Control

Automatic process	
Control by PLC/PC:	equipped as standard

### Dimensions (approx.)

<b>Height (opened)</b>	(H)	approx. 3,400 mm (134")
<b>(closed)</b>		approx. 3,200 mm (126")
<b>Width</b>	(W)	approx. 4,500 mm (177")
<b>Depth</b>	(D)	approx. 2,100 mm (83")

Rev. - Stand: 010