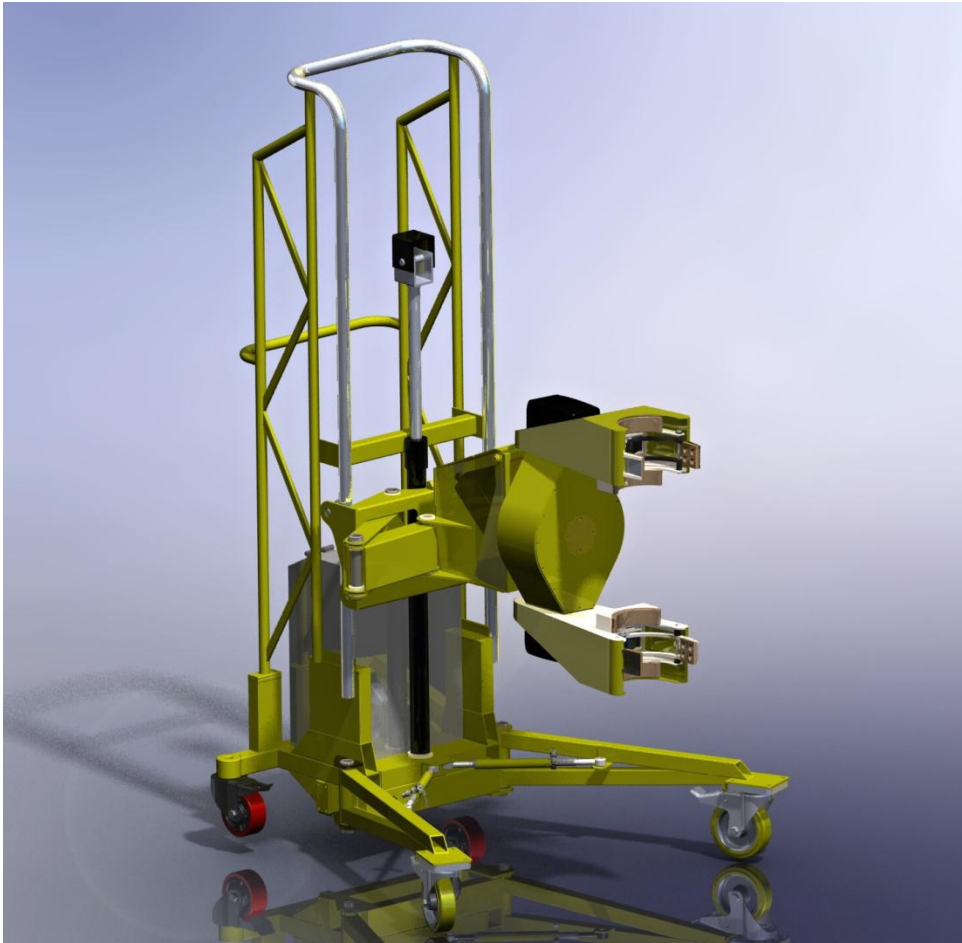


Mobile manipulator for handling with silicon monocrystals



Utilization and technical description of the basic version:

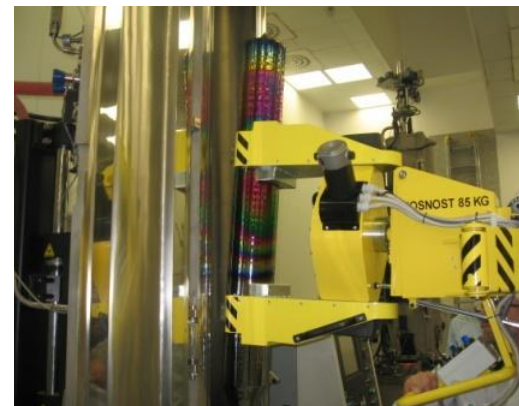
Mobile manipulator of silicon monocrystal is technological device allowing manipulation with silicon monocrystals with weight up to 85 kg. Mobile manipulator grasps silicon monocrystal in suspended position and allows safe removal of this silicon monocrystal from vacuum furnace. It is single purpose device which is not designed to handle any other burden.

The basis of the structure are tubes, closed profiles and burned-out shapes.

From these parts is welded chassis, lifting structure and handling part. In the chassis is positioned hydraulic pump, traction battery 12V, charging station and electrical odvozku manipulátoru je umístěno hydraulické čerpadlo, trakční baterie 12V, nabíjecí stanice a wirings. On the box is positioned basic control panel.

Basic technical specification:

Name:	Manipulator of silicon monocrystals
Type of drive:	hydraulic lift electric actuators - tilt and grip elektrický motor - rotation
Load capacity:	85 kg
Lifting height:	1700 mm



Realization:

ONSENICONDUKTOR CR, s.r.o., Rožnov pod Radhoštěm

2010

1 ks