



HIGH-PRESSURE DIE-CASTING OF ALUMINUM ALLOYS



Materials according to standards

ČSN	EN	DIN	others
42 4339	EN AC - 46 000	AlSi9Cu3(Fe)	DIN 226
42 4330	EN AC - 44 300	AlSi12(Fe)	DIN 230
	EN AC - 47 100	AlSi12Cu1(Fe)	DIN 231
	EN AC - 43 400	Al Si10Mg(Fe)	DIN 239

Machine park Machinery – robotized casting workplace with integrated trimming press

- 1 x IDRA 900 CS
- 1 x BÜHLER 840
- 1 x BÜHLER 660
- 1 x BÜHLER 530
- 2 x BÜHLER 340
- 1 x DELL 250

Casting size

from 0,03 kg to 7 kg

Series

from 1000 to 500 000 pcs/year

Other production possibilities

Steel, brass inserts in Al castings

Before and after casting

- SW MAGMA simulation
- CNC machining
- Variety of surface finish
 - subcontracted locally
- Pressure test
- Assembly (combination with parts from other technologies)
- 3D CMM dimensional inspection
- CT scan
- Machine finishing
 - Trimming
 - TEM deburring
 - CRYO blasting
 - Tumbling in stones