Extrusion

Temperature

Temperature

Temperature

Temperature

Temperature

Temperature

Temperature

- thinks ahead
Fixed Extrusion Speed

Maximum Extrusion Speed = Peak Extrusion Temperature

- Thinks ahead
Temperature Controlled Extrusion Speed

Extrusion Speed Follow Peak Extrusion Temperature

- thinks ahead
Advantage of using Controlled Extrusion Speed

- 20% - 40% push time reduction
- 2% - 5% reduction in scrap
- Uniform metallurgical properties
- Improved dimension stability
Technique behind Temperature Controlled Extrusion Speed

Extrusion temperature Dependent

- Billet temperature
- Die and Container temperature
- Frictional heat created by the extrusion speed
Technique behind Temperature Controlled Extrusion Speed

- Optalex read the profile temperature 2 x sec.
- Optalex program the extrusion speed 3 x sec.
- Optalex update the graphic displays 1 x sec.
- Optalex store extrusion data 1 x sec.
Optalex support real-time press view and reporting services through local network and internet connection.
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COMPUTER CONTROLLED ISOTHERMAL EXTRUSION

Installed base approaches > 100 systems

Founded in 1993