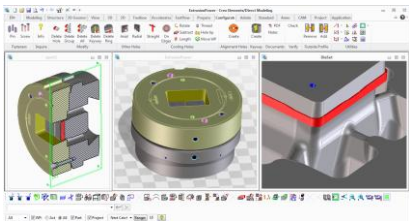


ExtrusionPower

ExtrusionPower is an easy-to-use 3D CAD solution for the design of aluminium extrusion dies. Featuring a new direct design approach for the creation of complete extrusion die sets, ExtrusionPower is the leading solution for engineers, who are in search of an innovative application. High accuracy of the product's analytic and free form geometry assures manufacturability of the extrusion dies, guaranteeing the best and quick result.



Product Features

ExtrusionPower is one of the world's unique 3D CAD solution for the design of aluminium extrusion dies.

Next to special productivity tools for automating aluminium extrusion die design tasks, with the help of manufacturing (CAM), simulation (FEA) and product data management (PDM) modules, ExtrusionPower offers significant productivity gains and saves countless hours of time, realizing a complete aluminium extrusion die process cycle.

Extrusion die design is often based on the experience of the die designer. Sometimes this experience may be in form of company design rules, but often it only exists in the designer's mind and it is difficult to transfer this knowledge to other persons.

Trial and error method is also often used, as new dies are first produced for testing only, before the final shape is fixed.

Many times it is a big challenge to produce the same die once again after the die completes its lifetime. 3D die models support consistent manufacturing repeatability in today's competitive global market with increased output and quality requirements.

ExtrusionPower is capturing the knowledge of the die designers by standardizing company's own design methods.

Ordering Information

ExtrusionPower Subscription	M690Z
ExtrusionPower License	M690L
ExtrusionPower Maintenance	M690Y

Prerequisites

PTC Creo Elements/Direct Modeling
V18, V19 or V20

System Requirements

Supported platforms:

- Windows7 32 and 64 bit™
- Windows8 32 und 64 bit™
- Windows10 32 und 64 bit™

Delivery Information

Software download available through
ExtrusionPower web site

Supported languages

- English
- German
- Russian
- Italian
- Turkish
- Korean
- Chinese
- Japanese

For more information, please visit

www.extrusionpower.com

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Highlights

- Flat dies and Hollow dies
- Port Balancing (with ExtrusionFlow module)
- Welding Chamber Design (with ExtrusionFlow module)
- Mandrel Design Wizard
- Parametric Creation of webs, ports and other die-set elements
- Automatic modeling of bearing lengths
- Weight optimization of extrusion profiles
- Design of cooling channels
- Back taper editor on the die exit
- Web wizard
- Design of electrodes
- Import/Export of DXF/DWG, IGES, STEP, Creo and other formats
- Management with PDM and ERP systems
- Transfer of 3D models to 2D engineering drawings
- "Technology Advisor" with "Extrusion Die" specific knowledge
- "Die Configurator" for Customer Data Management
- Full automatic die-set design from 2D to 3D (with Extrumat module)
- Full automatic machining up to 5 Axis (with ExtrusionCAM module)
- Simulation of stress, deformation, temperature and fluid flow (with ExtrusionFlow module)