Individual enclosures

You are looking for ways to implement one of your own designs? Or do you want to develop your own individual enclosure in order to integrate specific functions?

We will gladly manufacture your individual enclosure. Make use of our many years of experience – we have already created many successful special solutions for a range of sectors. You benefit from our high levels of specialist knowledge, excellent product quality, and our experienced employees!

BOPLA
A Phoenix Mecano Company

Our offer comprises:

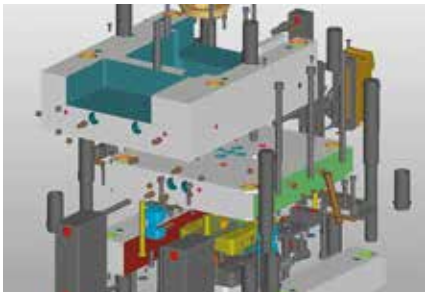
Consultation

- Consultation
- Spezification
- Preliminary costing

Construction

- Preparation of drawing
- Filling study
- Prototype construction

Tool



- Tool drawing
- Tool manufacture

Production process

- Plastic injection moulding
- Aluminium profile extrusion
- Aluminium / zinc die casting
- Stamping and bending technology
- Further processing

Processing

- Milling
- Drilling
- Counter-sinking
- Punching
- Sawing

Refinement

- Printing
- (Powder) lacquering
- Engraving
- Laser marking
- EMC screening

Packaging

- HMI integration
- Assembly
- Wiring
- Cable assembly

Testing

- IP test
- IK test
- Climatic test
- EMV test

Packaging

- ESD-compliant packaging
- Individual packaging
- Returnable packaging
- Logistics concept

Individual enclosures

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Technology

Plastic injection molded enclosures

Aluminium-/ Zinc die-cast

Modified enclosures on 19” basis

Stamping and bending technology

Extrusion of aluminum profiles

Advantages

Advantages of plastic

Plastic injection-moulded enclosure:

- Individual design
- Low weight
- Low unit costs for large quantities
- In parts which are resistant to aggressive environmental influences (salt water)

Advantages of metal

Aluminium / zinc die casting:

- Reliable even under extreme conditions
- High impact resistance, stability and ingress protection
- Resistant to chemicals and temperature
- Very good heat dissipation
- Good EMC screening
- Low unit costs

Aluminium profile enclosures:

- Variable lengths (a “family” of enclosures can easily be created)
- Ideal for use in difficult environments (high chemical and temperature resistance)
- Good opportunities for EMC screening and conductive connections
- Very good heat dissipation
- Low tool costs
- High level of impact resistance
- Very good stability

Stamping and bending technology:

- Small quantities at lower cost than with plastic enclosures
- Good opportunities for EMC screening and conductive connections
- Ideal for use in difficult environments (high chemical and temperature resistance)
- Low-cost alterations to the enclosure design are possible
- Very good stability

Quick-Finder:
www.bopla.de/60