



# Custom Extractor / Ejectors

## FEATURES

Extractors designed to meet the performance requirements of your application

Incorporate Your Design for Custom Look

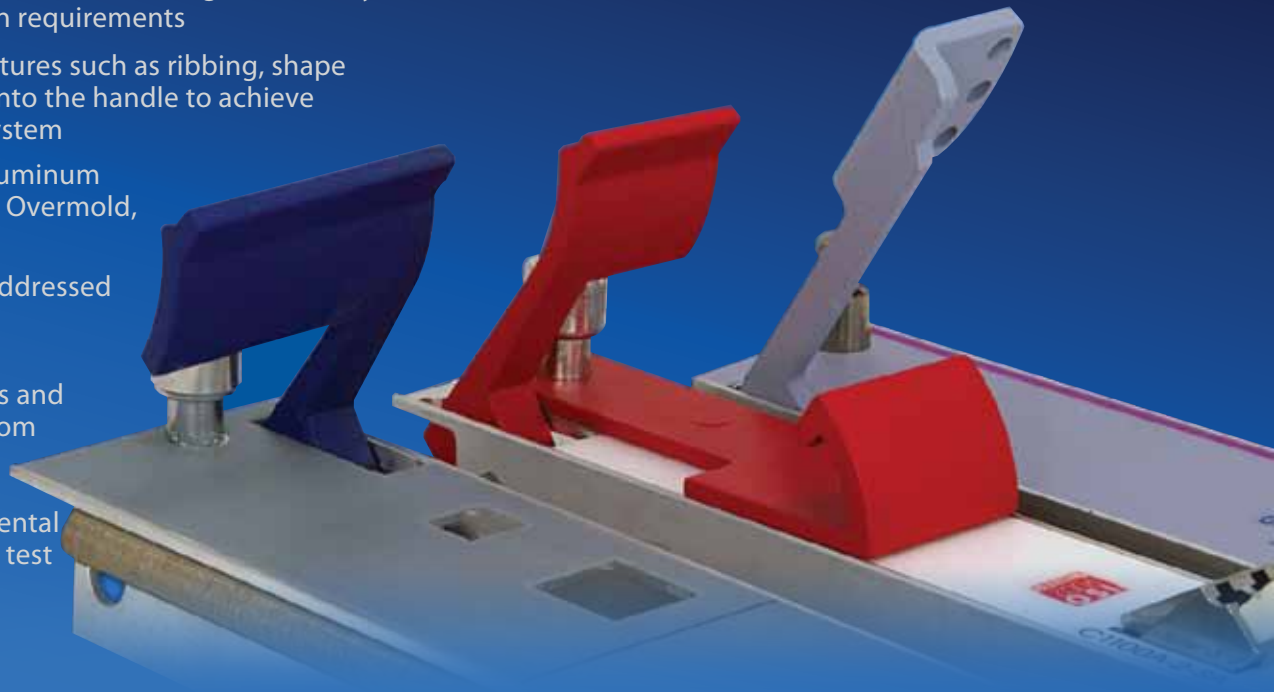
Engineered to insure extractor and chassis interface perform together - critical for high availability or robust application requirements

Integrate design features such as ribbing, shape features, and color into the handle to achieve 'the look' for your system

Materials include Aluminum Extrusions, Die Cast, Overmold, Plastics, and Steel

Ergonomic factors addressed to insure easy insertion/extraction

Full range of analysis and testing available - from Finite Element Analysis and cycle testing to environmental and shock/vibration test



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XTech — The Front Panel Source

## MARKETS/APPLICATIONS

- Communications
- Networking
- Medical
- Test and Measurement
- Defense

## OTHER INFORMATION

- Customize for 'The Look'
- Wide Range of finishing options
  - Color
  - Silkscreening
  - Overlays (passive or active)
- Special Plating
- Cable Management
- Global Manufacturing Capabilities



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# Custom Extractor / Ejectors

Some of XTech's Custom Solutions:



Ruggedized Handles



Custom Extractor



Custom Panel with Handle



Sheet Metal and Extruded Handles



Internal and External Handles

## Options:

### Internal Ejectors

Internal Ejectors are those that mount behind the front panel and the handle protrudes through the face. The ejector is normally mounted on a PEM on the side leg of the extrusion. This PEM provides a threaded mounting post for the ejector to pivot on. In most cases, a compression spring or wave washer is used to add some drag to the action of the ejector. This also keeps the ejector from flopping around when not engaged.

- Easy to Design (only a hole in the nut bar is required for engagement)
- Inexpensive to Produce
- No Additional Components (ejector engages the nut bar of the chassis)
- Easy to span the PCB Board

### External Ejectors

External Ejectors are those that are mounted on the face of the front panel. These assemblies use some form of sheet metal or extruded yoke.

- Minimal or no holes in the face of the extrusion, preventing EMI leakage
- Strong in high insertion force applications
  - Ejector yokes provide a stronger pivot than PEMs with less cantilever effect
- Most designs allow for the ejector assembly to be mounted as a unit with screws or rivets
- Most internal designs press PEM through ejector and require custom PEM tooling
- Easy to disassemble if needed (when mounted with screws)

### Pull Handles

Pull Handles are mounted on the face of the front panel. This style handle is used where no special ejection mechanism is needed.

- Fastened directly to the front panel with screws
- Many standard options available



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