Services of futura chemie

Precise Electro Chemical Machining

- (P)ECM of high performance materials such as Titanium and Titanium-based alloys, Tungsten and others
- Flow calibration for nozzles
- Deburring in a special bath

Laboratory analysis

- Laboratory analysis to optimize the ECM process
- Development of new electrolytes for high performace materials
- Investigation of deposits and surface attack on workpieces with Scanning electronmicroscope and Energy dispersive x-ray
- Cleaning solutions before and after the ECM process
- Investigation of the corrosion and material analysis

Discover electrochemical processing on the FC 500 ECM-Machine

Contact us for all your questions about electrochemical machining

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futura chemie

ECM
PECM

Specialist for (P)ECM
engineering, develoment and consulting

The smallest ECM/PECM-Machine

futura chemie build portable ECM/PECM-Machines

- Integrated electrolyte reprocessing / electrolyte preparation
- Oscillation range: open, set by user
- Maintenance free precision work with direct drive
- Small electrolytevolume for fast electrolyte exchange
- Single or three phase grid connection – compatible with any regular socket
- Fitted with wheels, easy to move, set up and install

FC 500 with innovative futura technology

Latest Generator technology: up to 500 A output

- Compact size
  W 753 x L 1223 x H 1600 mm
  including electrolyte reprocessing
- Working space 165 mm
- All varieties of ECM/PECM processing in one machine: deburring, drilling and molding with controlled feed
- Machine frame constructed from natural granite and steel

- Designed for development and construcion of prototypes and most useful for small series

High performance materials & electrolytes

- molding
- molding

- deburring
- molding

futura chemie has developed special electrolytes for ECM of high performance materials such as Titanium Grade 1-5.