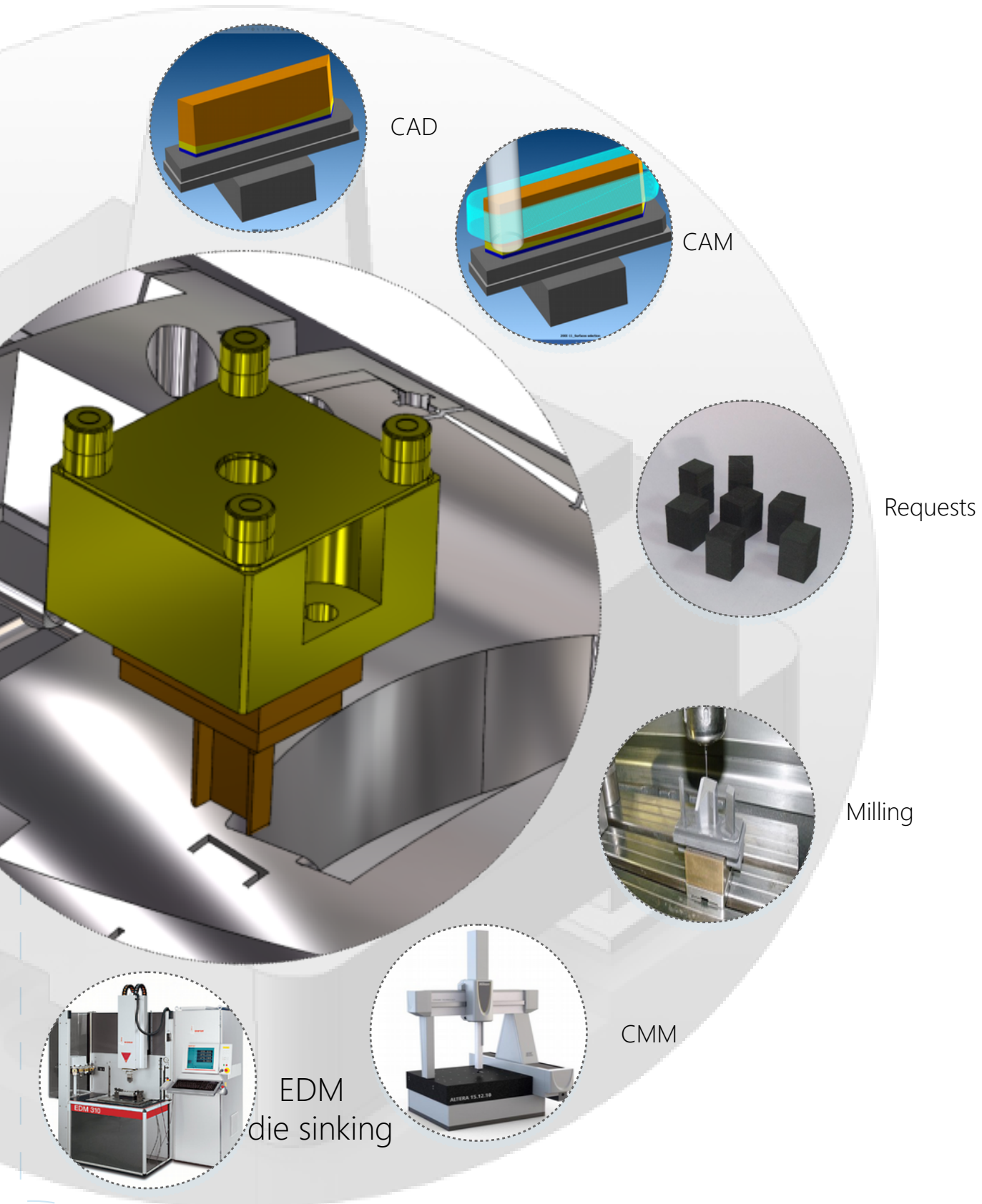# ElectroDB / PLM

Electrode Life Cycle Management
Automatic programming of EDM die sinking machines

CAD

CAM

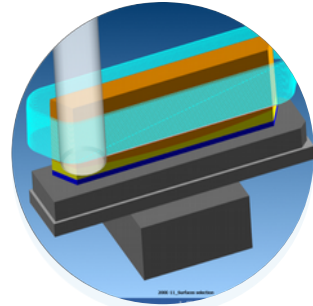Requests

Milling

CMM

EDM
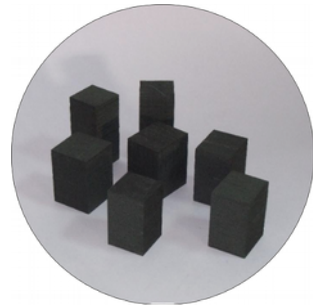die sinking

organimold
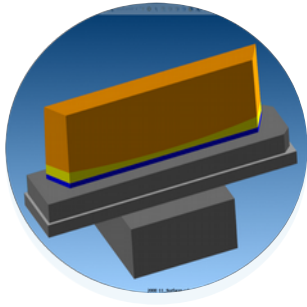
CAD

The electrodes are imported from CAD systems
(Mastercam, Cimatron, TopSolid, PowerShape, WorkNC, etc.)
- Can include position XYZC, dimensions of raw material, gap,
  type of material, images, etc.

CAM

Identify already programmed electrodes
and record individual programs of each electrode

Requests

Material Management / Stocks (raw material blocks in Copper or Graphite)
- When ordering the blocks of raw material, it allows grouping of same size
  electrodes, and controls the state (Requested / Received) of each electrode.

Milling

Generate programs for milling with palletizing system.
- Simulation of collisions in the electrode assembly on the palletizing system.
- Print electrode labels
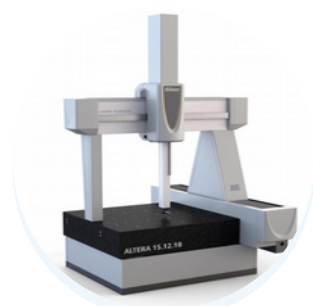
CMM

Dimensional control of the electrode
- Allows to control electrode height, gap, and deviations in X, Y, Z, C
- Import measurement data from measuring machines (CMM ou manual)
- Validation of measured values through tolerances

EDM die sinking

Automatic programming of EDM die sinking machines
- Machines: Charmilles, AGIE, ONA, Sodick, Exeron, JSEDM, etc.
- Simulation of collisions in the assembly of the electrodes palletizing system

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ElectroDB / PLM

Measuring report

Simulation of collisions in the assembly of the electrodes palletizing system

EDM Program

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