

# PUMA

OPROGRAMOWANIE



PUMA is the proposed solution for the programming of multi-axis machining centers produced by various manufacturers. PUMA is the instrument that contains the maximum performance, allowing the best exploitation of the characteristics of its production means, typically a 5-axis machining center.

The perfect management of all the functions necessary for the milling of

complex parts, such as the management of 5 interpolated axes, management of milling curved surfaces, management of curved parts and complete management of the touch probe module, together with the perfect management of the typical characteristics of the machining centers used for the machining of aluminum and light alloy bars, makes PUMA the most suitable product for the management of 5-axis machining centers used in the aeronautics, rail transport and industrial sectors in general.

image not found or type unknown



#### **PROFILE PROCESSING WITH MAXIMUM EFFICIENCY**

- All common milling strategies
- Free Milling
- 5 axis simultaneous milling
- Surface milling
- Bended profiles management
- Innovative clamp management
- 3D simulation with machine model
- Creation of working papers
- Automatic feature recognition

#### **3D MODEL IMPORT**

SUPPORTED FORMATS:

##### **Default**

SAT / SAB

##### **Optional**

STEP / IGES / PROE / CATIA / INVENTOR

PARASOLID / SOLIDWORK / NX / PAR

image not found or type unknown



image not found or type unknown



### Automatic feature recognition (AFR)

Automatic recognition of machining operations with a wide range of adjustment options.

### STANDARD OPERATIONS

#### Easy to create

- > Drilling
- > Threads
- > Long holes
- > Rectangle pockets
- > Circle pockets (with/without Helix Interpolation)

#### Parameter

- > Cut division
- > Synchronous/Asynchronous
- > Radius compensation
- > Processing name
- > Tool allocation
- > G0 in profile chamber

image not found or type unknown



image not found or type unknown



### SAWCUT

- > Sawcuts from model surface
- > Notching in all angles
- > Determine angles per mouse-click
- > Chop-cuts and cross-cuts
- > 1-Click Notchingfunction

### FREE MILLING

For any contours a wide range of processing strategies are available.

image not found or type unknown



image not found or type unknown



### MODULEWORKS 3 AXIS

### SURFACE MILLING

**MODULE**

- > All common milling strategies available
- > Saving and loading parameter sets
- > Collision test
- > Test mode for the created path incl. tool display

**MODULEWORKS****5 AXIS MODULE**

- > Simple creation of the milling path  
by edge/surface selection
- > Test mode for the created path incl. tool display
- > Preset for the most important machining methods
- > Saving and loading parameter sets

Image not found or type unknown

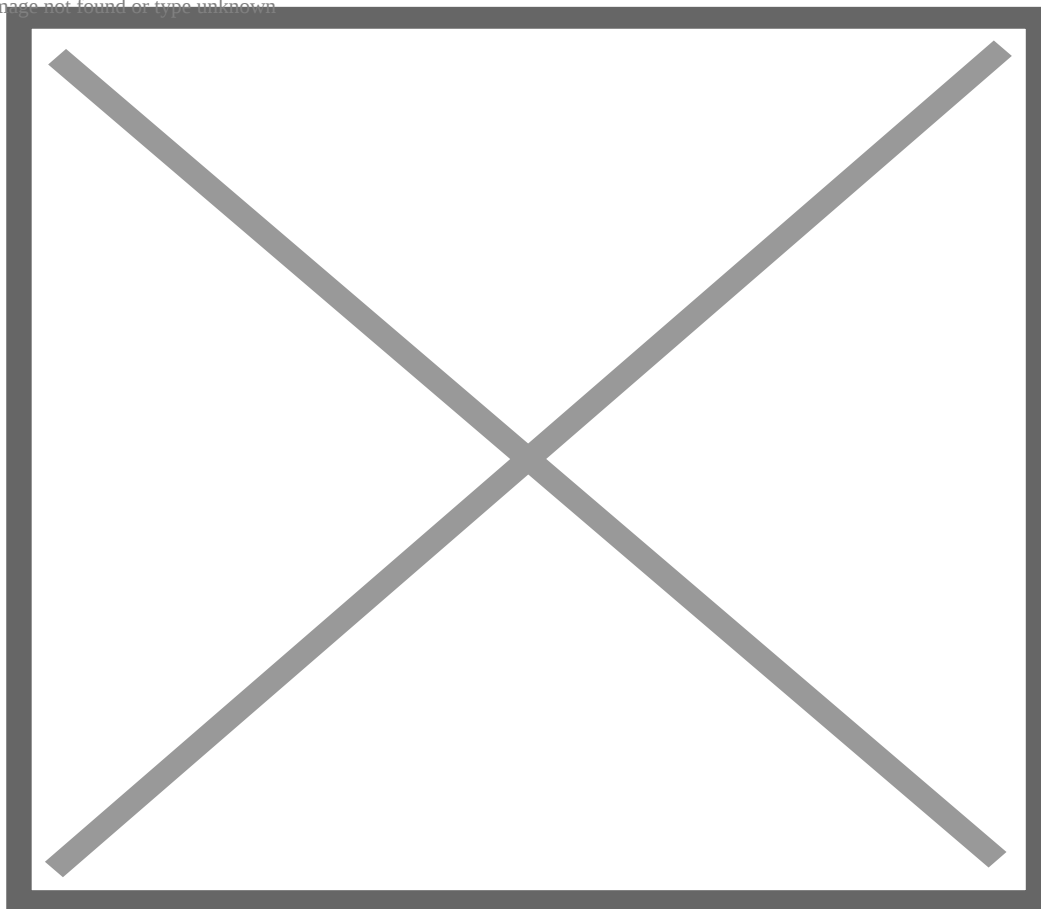
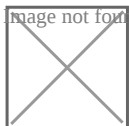


Image not found or type unknown

**RADIOPROBE: MEASURING  
AND CORRECTION OF MACHINING**

- > Edge/surface measuring in all axis
- > Set and assign measurement points

directly in the geometry

- > Move the X - 0 point with measurement points
- > Correction of contour elements

#### **BENDED PROFILES MANAGEMENT**

- > Correct 3D view of curved profiles
- > Real representation of clamps or equipment
- > Real definition of approach and exit movements
- > Representation of clamping devices

in the 3D simulation



image not found or type unknown

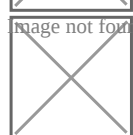


image not found or type unknown

#### **INNOVATIVE CLAMPING MANAGEMENT**

- > Movement of the clamps by mouse click
- > Real representation of the clamps
- > Fast sorting of the processing order

#### **3D SIMULATION**

- > Simulation directly from the NC code
- > Visible removal of material
- > Start from any tool
- > Display of the axis positions
- > Display of current tools
- > Display of the cutting data
- > Display of the processing time

Image not found or type unknown

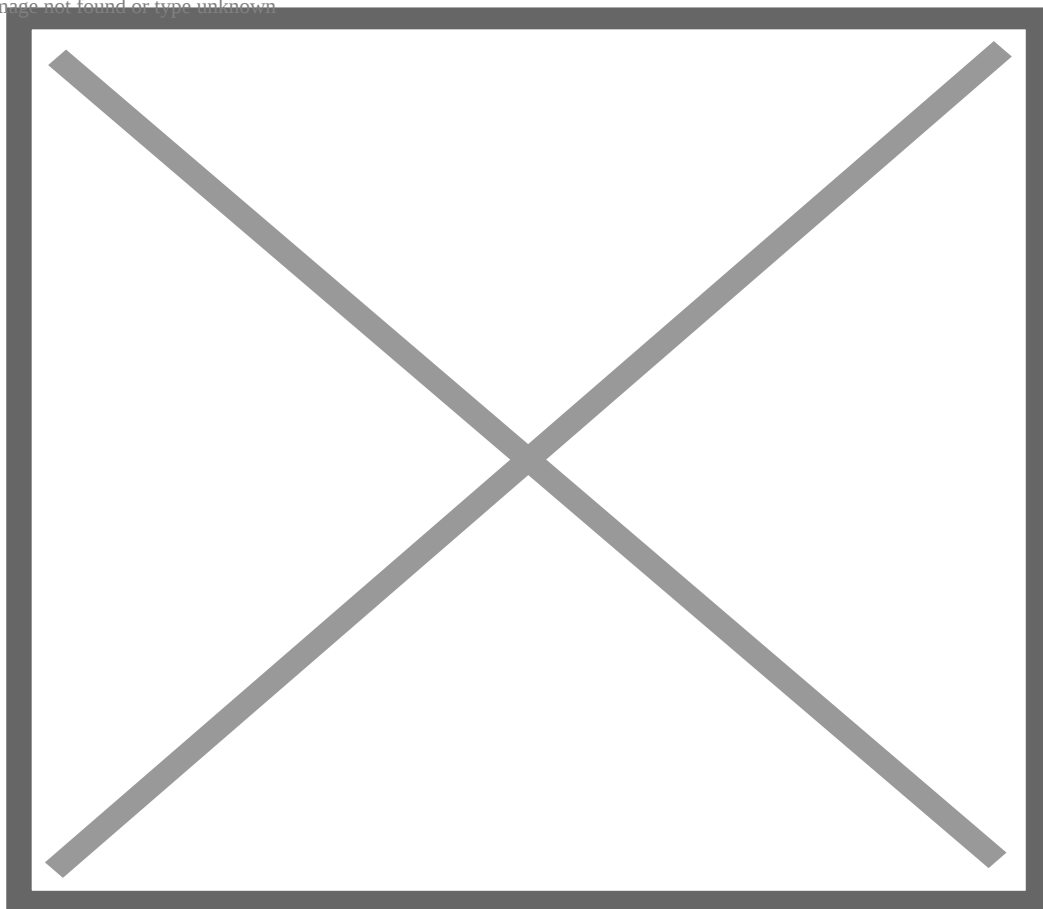


Image not found or type unknown

