An **AV&R** software

B R A I N **W A V E**

MAKING ROBOTICS ACCESSIBLE TO EVERYONE

BrainWave orchestrates the interaction between AV&R's surface finishing robotic system components in a single **USER-FRIENDLY** interface

www.avr-global.com

HOW IT WORKS
4 SIMPLE STEPS

1.
Divides the part surface into sections and **creates robot paths** to cover the surface

2.
Generates process recipes

3.
Configures and adjusts parameters:
- Minor position modifications
- Supply and speed
- Specific parameters of the process

4.
Executes sequence and **adjusts the recipe** while controlling the robot and its equipments

Easy to Use
No software programming knowledge required thanks to an intuitive interface

Flexible
Easily adaptable to your production needs and specifications

Updates
New innovations and new releases at a rapid pace

FOR WHAT PROCESSES?

PROFILING
Including high precision profiling

POLISHING
Esthetic polishing
Controlled polishing

BLENDING
Pin blending
Tip weld blending

MAIN FEATURES

EXECUTE SURFACE FINISHING PROCESSES
A specific software for **profiling**, **polishing** and **blending** of gas turbine parts

INTEGRATE MEASUREMENT EQUIPMENTS
- Chord length
- Blade measurement
- Coating thickness

ADJUST AND GENERATE NEW RECIPES
- Recipe creation tools (CAD to path functions)
- CADCAM importer
- Parameters adjustment page (speed, force, etc.)
- Robot environment simulation

CREATE REPORTS
Customizable reports

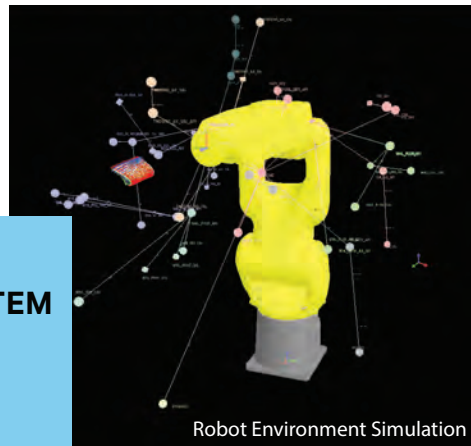## OPTIONS

- Cycle time optimization tool
- Choice of software language (English, French, Russian, and more)

Robot Environment Simulation

PARTS MANAGEMENT SYSTEM
supporting multiple parts loading solutions

●

Supports **MULTIPLE USERS** with customizable access control

●

Typical **MAINTENANCE TASKS** can be executed directly from the user interface

WANT TO KNOW MORE?

info@avr-global.com | +1 514 788 1420