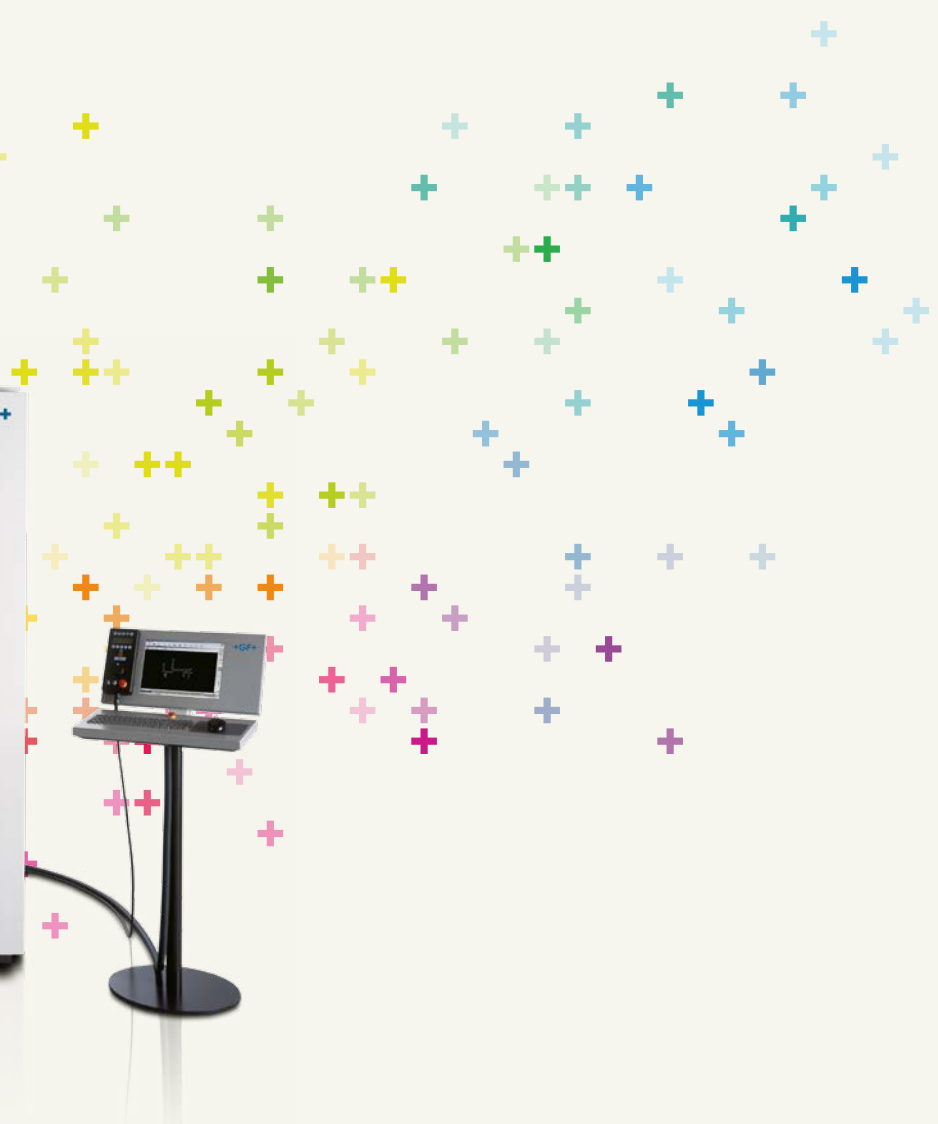
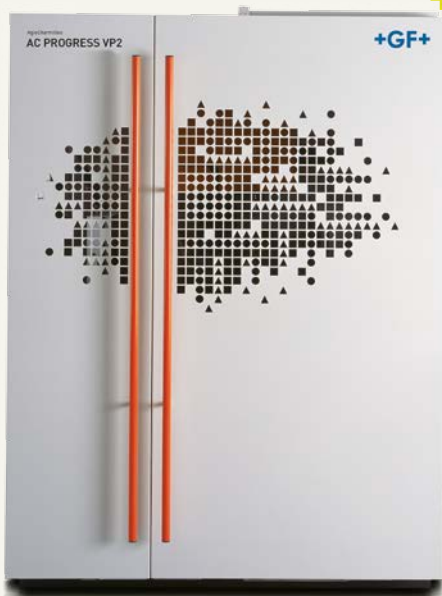


AgieCharmilles

**AC Progress VP2**  
**AC Progress VP3**  
**AC Progress VP4**



High-performance wire-cutting EDM machines

# AC Progress VP

The AC Progress VP offers you vital competitive advantages! It is equipped with unique features to improve productivity, increase versatility in use, and reduce running costs.

## Highlights

**The IPG generator provides as standard features:**

- A surface finish down to  $0.1 \mu\text{m Ra}$
- A roughing cutting speed up to  $500 \text{ mm}^2/\text{min}$
- Exceptional cutting speed and edge quality while cutting tough material like PCD

**Great flexibility in the choice of wire diameter to fit any technical demand: wire diameter from 0.05 to 0.33 mm with only one wire guide.**

- Open universal diamond V guide without clearance for all wire diameters
- Time saved when changing wires, no need to exchange the wire guides
- Accuracy assured throughout the whole operating life
- Lasts up to 20,000 hours

**Lower running cost with the unique Duotec technology.**

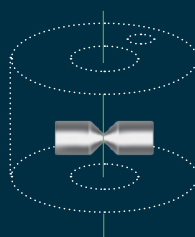
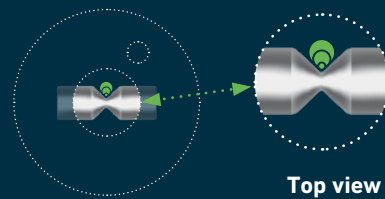
**Use different wires in one job for more efficiency and lower running cost.**

- After performing the full cut, the user simply changes the spool to use a wire with a different diameter or quality
- The cutting technology is automatically generated by Duotec and, thanks to the wire system with open guides, the spool change only takes a few minutes.

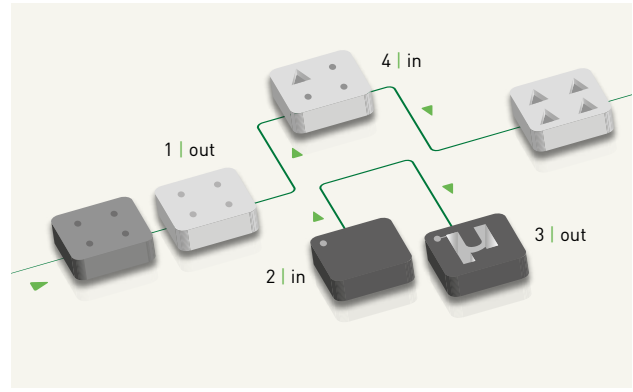
The benefit is the reduced wire costs and a global increase of cutting rates.



The SF module provides finer surface finish to increase your tool life



The exclusive wire guiding system enables to change the wire diameter inside a machining sequence



### 3D SETUP

#### Savings potential on the setup time and expensive clamping tools

- Top surface position of the workpiece is automatically measured in A, B, and Z using an integrated sensor. Workpiece position in X, Y, and C is measured using the wire, in drill holes, cavities, or corners
- Ultimate safety and precision during the setup process
- Possible after the main cut to check again and correct for maximum precision on the workpiece
- Automatic transfer of the data into the machining program
- The workpiece stays in position. No expensive clamping tools are needed to correct the workpiece position
- Simple data entry in graphic form via the touch screen

You benefit from significantly reduced setup time and clamping tool costs.

### Vision 5 numerical control

#### The efficient answer to your practical needs in the workshop

- Part Insert function to easily address unexpected, urgent jobs
- The machining sequences can be modified right up to the last minute
- The CNC Vision 5 allows the machining sequence of any job to be changed regardless of the number of programs of the job in progress

This benefit is a considerable increase in productivity.



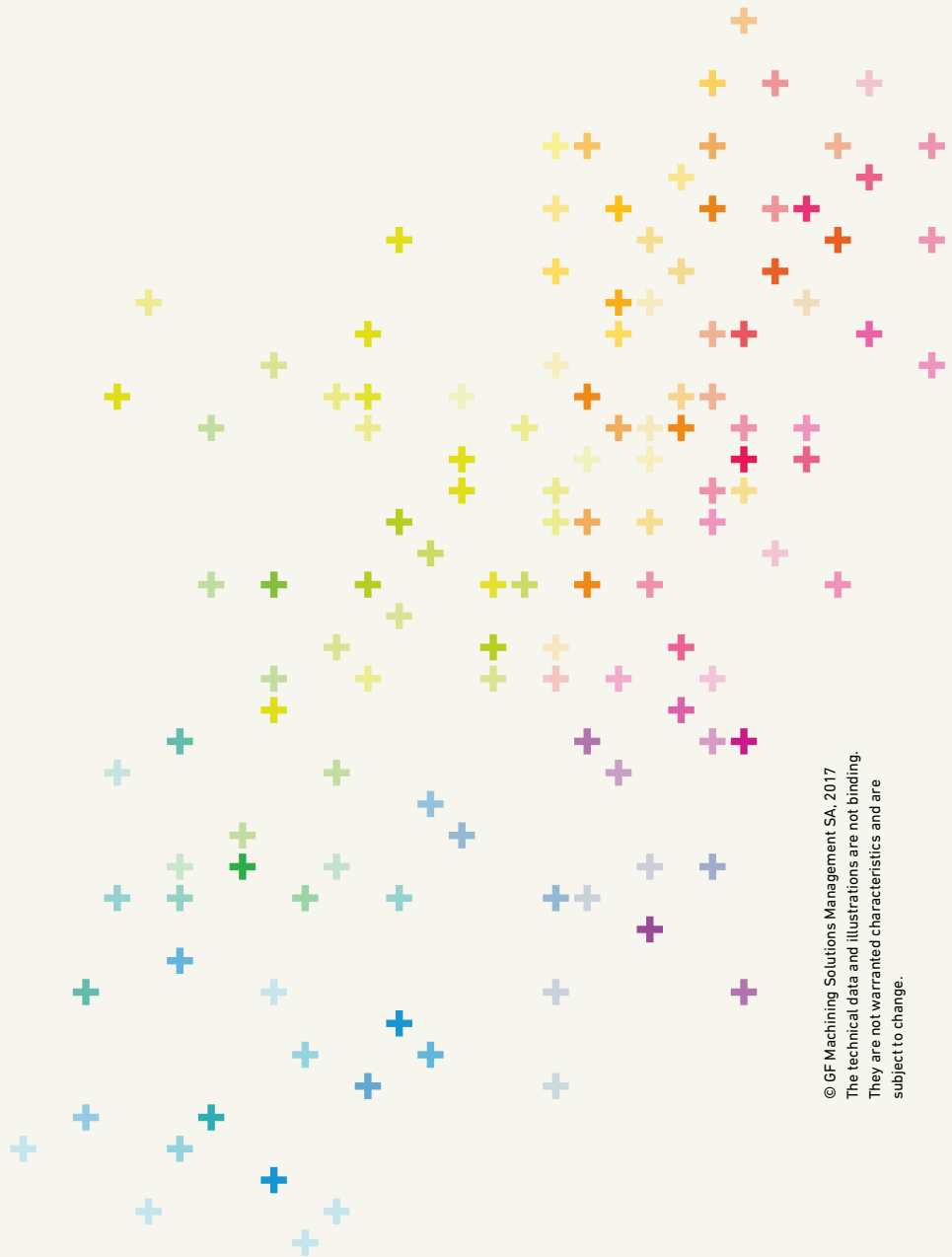
| Technical data          |             | AC Progress VP2                        | AC Progress VP3                          | AC Progress VP4                           |
|-------------------------|-------------|--|--|---|
| Workpiece dimensions *  | mm<br>(in)  | 750 × 550 × 250<br>(29.5 × 21.6 × 9.8) | 1050 × 650 × 420<br>(41.3 × 25.6 × 16.5) | 1300 × 1000 × 510<br>(51.9 × 39.3 × 20)   |
| X/Y/Z axes              | mm<br>(in)  | 350 × 250 × 256<br>(13.77 × 9.84 × 10) | 500 × 350 × 426<br>(19.7 × 13.77 × 16.8) | 800 × 550 × 525<br>(31.5 × 21.65 × 20.67) |
| Rapid traverse X/Y      | m (ft)/min. | 3 (9.84)                               | 3 (9.84)                                 | 3 (9.84)                                  |
| U/V axes                | mm (in)     | ± 70 (± 2.7)                           | ± 70 (± 2.7)                             | 800/550 (31.5/21.65)                      |
| Maximum conicity/high   | °/mm (in)   | 30°/100 (3.93)                         | 30°/100 (3.93)                           | 30°/500 (19.68)                           |
| Best roughness standard | µm Ra (µin) | < 0.1 (< 4)                            | < 0.1 (< 4)                              | < 0.1 (< 4)                               |
| Machining in a bath     | mm (in)     | 250 (9.84)                             | 420 (16.53)                              | 525 (20.669)                              |
| Wire guides, standard Ø | mm<br>(in)  | 0.15 – 0.33<br>(0.0059 – 0.0129)       | 0.15 – 0.33<br>(0.0059 – 0.0129)         | 0.15 – 0.33<br>(0.0059 – 0.0129)          |
| Wire drive, wire spool  | kg (lbs)    | up to 25 (55)                          | up to 25 (55)                            | up to 25 (55)                             |

\* Width x depth x height

## At a glance

We enable our customers to run their businesses efficiently and effectively by offering innovative Milling, EDM, Laser, Additive Manufacturing, Spindle, Tooling and Automation solutions. A comprehensive package of Customer Services completes our proposition.

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