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 μm Ra
- A roughing cutting speed up to 500 mm²/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.
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

<table>
<thead>
<tr>
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<th>AC Progress VP2</th>
<th>AC Progress VP3</th>
<th>AC Progress VP4</th>
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<tbody>
<tr>
<td>Workpiece dimensions *</td>
<td>mm (in)</td>
<td>750 × 550 × 250 (29.5 x 21.6 x 9.8)</td>
<td>1050 × 650 × 420 (41.3 x 25.6 x 16.5)</td>
</tr>
<tr>
<td>X/Y/Z axes</td>
<td>mm (in)</td>
<td>350 × 250 × 256 (13.77 x 9.84 x 10)</td>
<td>500 × 350 × 426 (19.7 x 13.77 x 16.8)</td>
</tr>
<tr>
<td>Rapid traverse X/Y</td>
<td>m (ft)/min.</td>
<td>3 (9.84)</td>
<td>3 (9.84)</td>
</tr>
<tr>
<td>U/V axes</td>
<td>mm (in)</td>
<td>± 70 (± 2.7)</td>
<td>± 70 (± 2.7)</td>
</tr>
<tr>
<td>Maximum conicity/high</td>
<td>°/mm (in)</td>
<td>30°/100 (3.93)</td>
<td>30°/100 (3.93)</td>
</tr>
<tr>
<td>Best roughness standard</td>
<td>µm Ra (µin)</td>
<td>&lt; 0.1 (&lt; 4)</td>
<td>&lt; 0.1 (&lt; 4)</td>
</tr>
<tr>
<td>Machining in a bath</td>
<td>mm (in)</td>
<td>250 (9.84)</td>
<td>420 (16.53)</td>
</tr>
<tr>
<td>Wire guides, standard Ø</td>
<td>mm (in)</td>
<td>0.15 – 0.33 (0.0059 – 0.0129)</td>
<td>0.15 – 0.33 (0.0059 – 0.0129)</td>
</tr>
<tr>
<td>Wire drive, wire spool</td>
<td>kg (lbs)</td>
<td>up to 25 (55)</td>
<td>up to 25 (55)</td>
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</table>

* 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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