MCM machines are true portable CNC scanning, cutting, beveling and welding machines that eliminate the biggest bottleneck in the steel wind towers production On&Offshore!

MCM 3D Oxy-fuel CNC 3D cutting&beveling head ensure top quality welding preparation each time!

MCM SAW ACDC welding head/processes that increase deposition rate, boost productivity will significantly reduce the largest component of welding costs – labor and overhead!

MCM machines are available in the configuration:

- MCM: Mini / 1000 / 4000 / 5000+
  Upon request: to be confirmed any different CNC working area
- Oxy-fuel cutting&beveling kit for single V or double sided bevel
- Recommended option: SAW ACDC Single Wire

Features & Benefits:

- Short setup time and easy handling
- Each workpiece (e.g. doorframe) is scanned to automatically generate individual CNC cutting/beveling and CNC welding path
- Top quality weld preps
- Precise root gap 1-3mm
- Welding defect rate less 1%
- No grinding
- One-man operation
- On-line support connection
- Excellent Return On Investment (ROI)!
- Multiple successful installations to the Clients in the Wind Business!
ON&OFFSHORE WIND TOWERS APPLICATION:  
DOOR / VENTILATION FRAMES  
Weld prep: Oxy-fuel double bevel (single bevel also available)  

MCM SAW welding joint design: double bevel 2/3 inside; 1/3 outside  

Semi-automatic 3D CNC Oxy-fuel cutting & beveling inside tower section  

One-man operation!
Semi-automatic 3D CNC SAW ACDC welding inside & outside of tower section!

One-man operation!

Recommended Column & MCM work-station for fast and easy handling Inside & Outside tower section!
## Standard technical data to MCM Onshore and Offshore applications

<table>
<thead>
<tr>
<th>Tower section ID</th>
<th>Max. width/length of door/ventilation frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCM Special</td>
<td>Min. 3.0 m Up to 0.5 x 1 m</td>
</tr>
<tr>
<td>MCM 1000</td>
<td>Min. 3.5 m Up to 1 x 2 m</td>
</tr>
<tr>
<td>MCM 4000 S</td>
<td>Min. 3.5 m Up to 1.25 x 4 m</td>
</tr>
<tr>
<td>MCM 4000 W</td>
<td>Min. 4.0 m Up to 1.28 x 4 m</td>
</tr>
<tr>
<td>MCM 5000+ / Offshore</td>
<td>Min. 4.9 m Upon request</td>
</tr>
<tr>
<td>CNC 3D Oxy-fuel straight cut/bevel head</td>
<td>YES</td>
</tr>
<tr>
<td>CNC 3D SAW ACDC</td>
<td>Recommended (optional)</td>
</tr>
<tr>
<td>Max. wire electrode diameter</td>
<td>SAW Single Wire 4.00mm</td>
</tr>
<tr>
<td>Min. welding dep. rate at 100% arc time – 6kg/hr/Heat Input</td>
<td>6 kg/hr 21.6 kJ/cm</td>
</tr>
<tr>
<td>One-man Operation</td>
<td>YES</td>
</tr>
</tbody>
</table>

### On-line support connection available!

- Built-in network router enables remote access to machine interface (VNC Network)
- Compatible with mobile and desktop devices
- WIFI and cable connections
- On-request software updates and machine diagnostics

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**MACHINE SETTINGS**

- **Network Settings**
  - IP Address: 192.168.1.10
  - Node Number: 1
- **Time and Date**
  - HH:MM:SS: 16 15 00
  - yyyy/mm/dd: 2018 09 25
- **Software Version**
  - MCM: v2.2.xxxx
- **Select language**
  - English
  - German
  - Polish
  - Russian
- **Access Password**
  - ****

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More information available at [www.promotech.eu](http://www.promotech.eu)

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Your local dealer: