COS MINI
CAST-ON-STRAP MACHINE

For Motorcycle and Small Industrial Batteries
The COS MINI/M semi-automatic cast on strap machine processes up to 2 small industrial or motorcycle batteries (12 elements) per cycle.

It requires manual element loading and unloading.

Fluxing is via an automatic filling system.

No dross generation due to a continuous flow of tin.

The split lead pot enhances a stable lead level.

All temperature settings are done directly at the operator panel. For best results, the set values are PID controlled.

The machine meets all CE standards.

MACHINE CONFIGURATION

STATION 1: manual element loading and alignment

STATION 2: lug brushing, fluxing and tinning, drying and preheating

STATION 3: cast-on-strap

STATION 4: manual element unloading

If optional tinning is not selected, lug alignment is done at the second station.
COS MINI/A

The full-automatic COS MINI/A cast on strap machine processes up to 2 batteries (12 elements) per cycle.

It is equipped with an automatic element boxing, element loading and unloading/boxing unit.

No dross generation due to a continuous flow of tin.

The split lead pot enhances a stable lead level.

All temperature settings are done directly at the operator panel. For best results, the set values are PID controlled.

The machine meets all CE standards.

MACHINE CONFIGURATION

LOADING UNIT

Linear pick and place system with 12 rotatable grippers

COS

STATION 1: automatic loading and unloading
STATION 2: adjustable element alignment
STATION 3: lug preparation (brushing, fluxing and tinning), drying and preheating
STATION 4: cast-on-strap

UNLOADING AND BOXING UNIT

Linear pick and place system with 12 grippers
Boxing of AGM elements
## CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th>COS MINI/M</th>
<th>COS MINI/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance</td>
<td>up to 3 batteries/min</td>
<td>up to 6 batteries/min</td>
</tr>
<tr>
<td>Separator</td>
<td>PE or AGM</td>
<td>PE or AGM</td>
</tr>
</tbody>
</table>

## PLATE DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>COS MINI/M</th>
<th>COS MINI/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>38 - 120 mm</td>
<td>38 - 120 mm</td>
</tr>
<tr>
<td>Width</td>
<td>35 - 82 mm</td>
<td>35 - 82 mm</td>
</tr>
<tr>
<td>Element Thickness</td>
<td>10 - 26 mm (compressed AGM)</td>
<td>10 - 26 mm (compressed AGM)</td>
</tr>
</tbody>
</table>

## MACHINE DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>COS MINI/M</th>
<th>COS MINI/A</th>
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</thead>
<tbody>
<tr>
<td>Length</td>
<td>4,500 mm</td>
<td>7,950 mm</td>
</tr>
<tr>
<td>Width</td>
<td>4,000 mm</td>
<td>5,100 mm</td>
</tr>
<tr>
<td>Height</td>
<td>2,200 mm</td>
<td>3,500 mm</td>
</tr>
<tr>
<td>Net Weight</td>
<td>4,500 kg</td>
<td>6,500 kg</td>
</tr>
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</table>

## UTILITIES

<table>
<thead>
<tr>
<th></th>
<th>COS MINI/M</th>
<th>COS MINI/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Pressure</td>
<td>6 bar</td>
<td>6 bar</td>
</tr>
<tr>
<td>Uncompressed Air Volume</td>
<td>4.8 m³/h</td>
<td>15 m³/h</td>
</tr>
<tr>
<td>Exhaust Volume</td>
<td>~ 7,000 m³/h</td>
<td>~ 9,000 m³/h</td>
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</tbody>
</table>

Technical data may change.

## OPTIONS

- Tinning station for manual COS
- Element weighing cell (traceability)
- Manual hole punching

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WE CARE ABOUT


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