

AACHENER MASCHINENBAU GMBH



## ALL-IN-ONE SPOKE MAKING MACHINE

For the production of spokes from galvanised – or stainless steel wire for bicycles and motorbikes we supply our **ALL-IN-ONE SPOKE MAKING MACHINES** as complete solutions. Unwinding from coil to finished, threaded and bent spoke.

As with our screw making machines, all production steps are combined in one machine for the spoke making machines.

## ALL-IN-ONE SPOKE MAKING MACHINE

- Infinitely variable drive, incl. frequency converter for production speeds of up to 300 spokes per minute
- PLC control SIEMENS or OMRON with touch panel
- Central lubrication system
- Compact machine concept with small footprint
- Max. spoke length up to 600 mm possible



### Spoke making machine II

Generation II includes our servo motor controlled wire feeder (AMBA WFS) with cutting tolerance of  $\pm 0.05$  mm.



### Spoke making machine III

As an upgrade to Generation II, a fully electronically controlled length change of the spoke is integrated with preset geometries for head, bend and thread.



### Driven wire decoiler

with speed control for smooth decoiling of the wire and feeding into the machine.



### Stacking Magazin

Feeding of straightened and cut-to-length bars as well as single-butt or double-butt spoke blanks



### Process & measurement monitoring can be integrated

Process monitoring during upsetting and thread rolling or measuring processes via optical monitoring.



### Magazin

for precise portioning and buffering of the finished spokes behind the machine.



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Werner-von-Siemens-Str. 17-19 | D-52477 Alsdorf | T: +49 2404 551289-0 | F: +49 2404 551289-10 | info@amba.de | www.amba.de