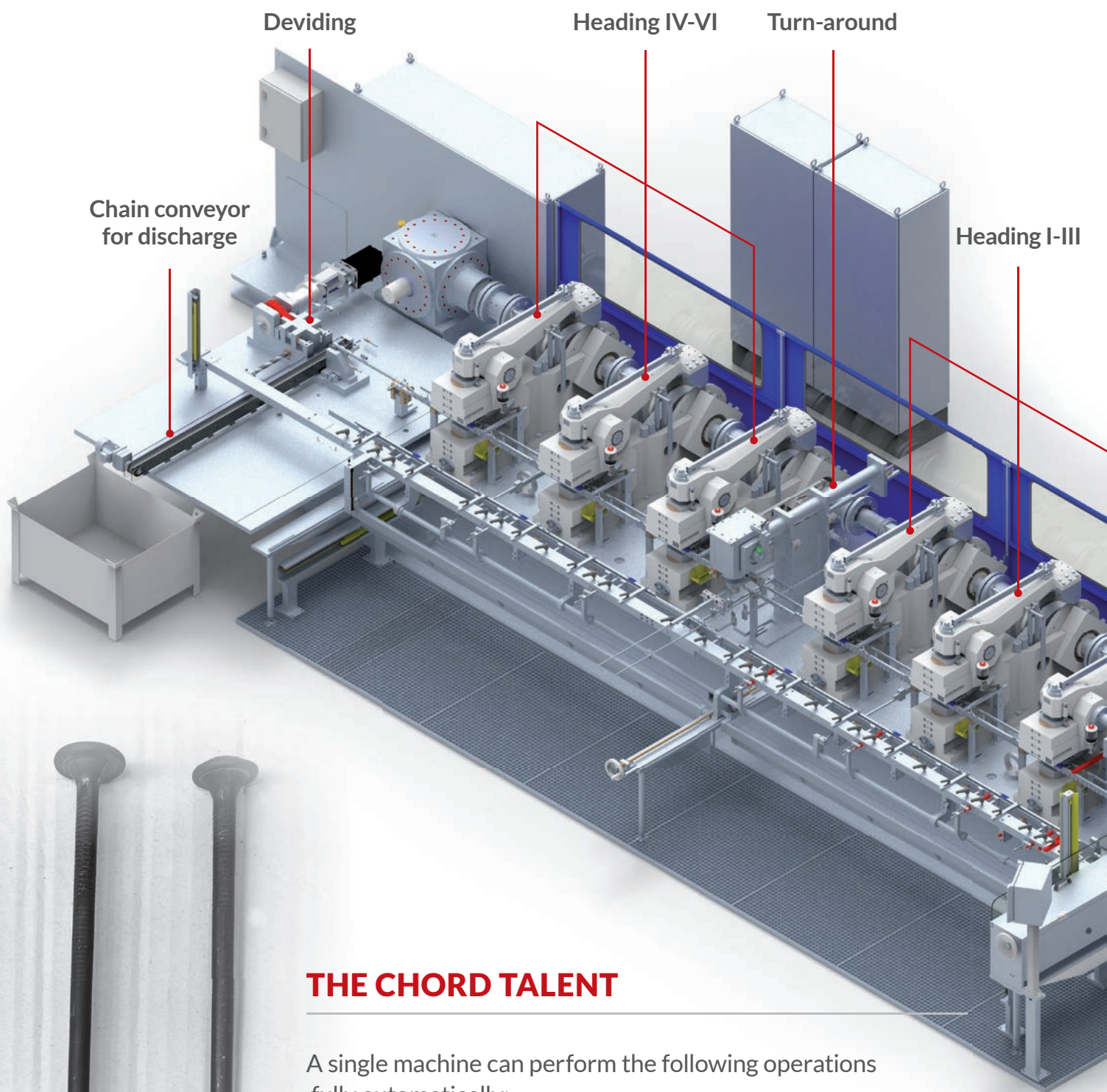




ALL-IN-ONE MACHINE FOR SCREW BLANKS

The **ALL-IN-ONE MACHINES FOR SCREW BLANKS** cover all manufacturing steps from cutting the input stock to upsetting down to the discharge of the manufactured head blanks without thread and tip. They are designed to produce of screw or bolt blanks in length from 80 mm | 3.25" to 750 mm | 29.2" in high volume. AMBA is the only manufacturer in the world to design machines that produce this size and volume of screw blanks. Being of modular design, the machines offer a great deal of flexibility. AMBA customizes its machines to individual specifications.

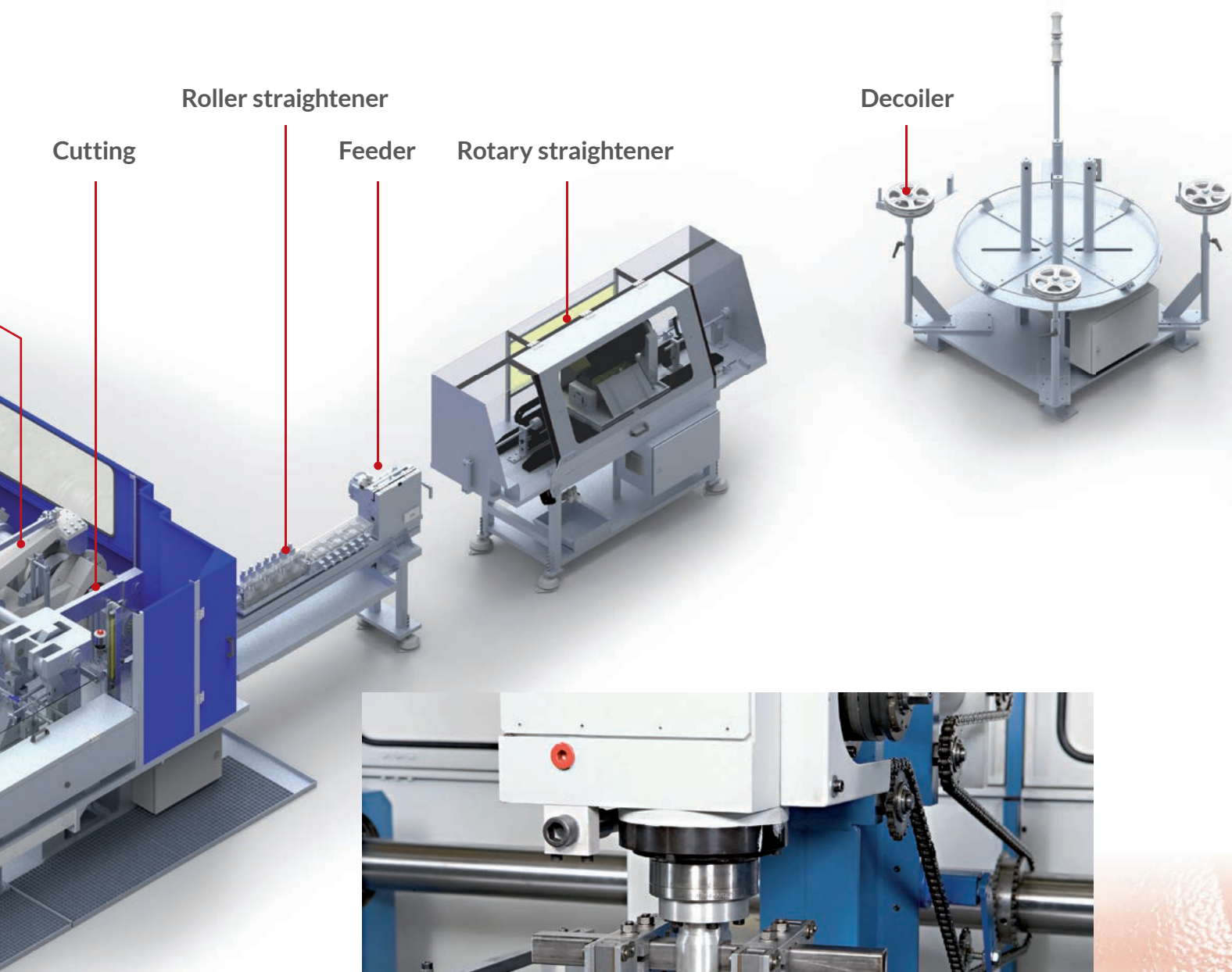


THE CHORD TALENT

A single machine can perform the following operations fully automatically:

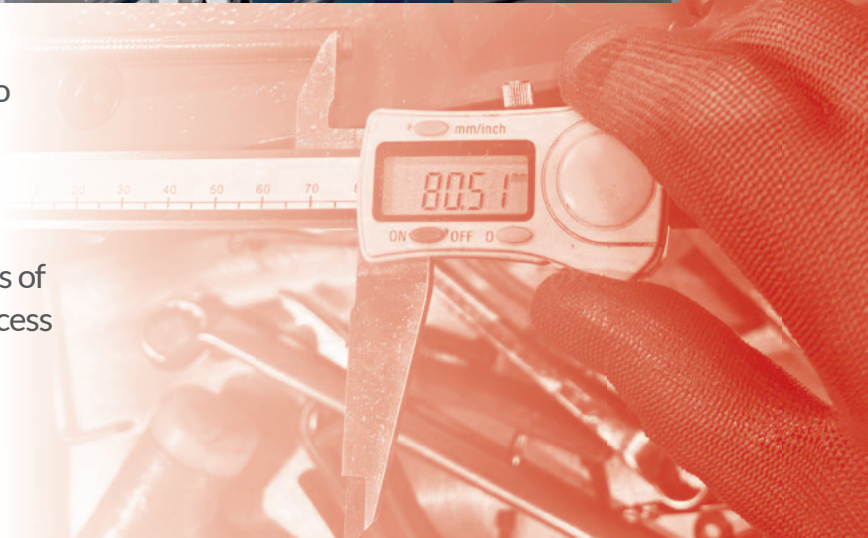
- Cutting of up to a 12 mm | 0.5" diameter rod
- Pre-/intermediate-form and finish upsetting – also with spring-mounted tools
- Upsetting of flat head screws – up to 25 mm | 1" head diameter, gentle on tools in up to three stations
- Finished blanks in large quantities – by centrally dividing the formed double-headed blank into two blanks for screw production
- Ideal for linking with a high-speed threading roller
- Different series for the best possible compromise between forming capacity and speed





The proven horizontal AMBA transport system is also used in our All-in-one machine for screw blanks, so that the blanks are flexibly fed to the stations.

AMBA machines come with a pressing power strong enough to upset the heads of flat head screws during the running process – and with this machine at both ends.



ALL-IN-ONE MACHINE FOR SCREW BLANKS

- Infinitely variable drive, controlled via frequency converter
- Full power even in low speed range
- Programmable control – plc
- Central lubrication system
- Occupational safety according to CE standard



Driven wire decoiler

Our driven wire decoiler with speed control ensures smooth feeding of rod into the machine.



Rotary straightening unit

As supplement to a roller straightener, we have developed a proprietary rotary straightening unit.



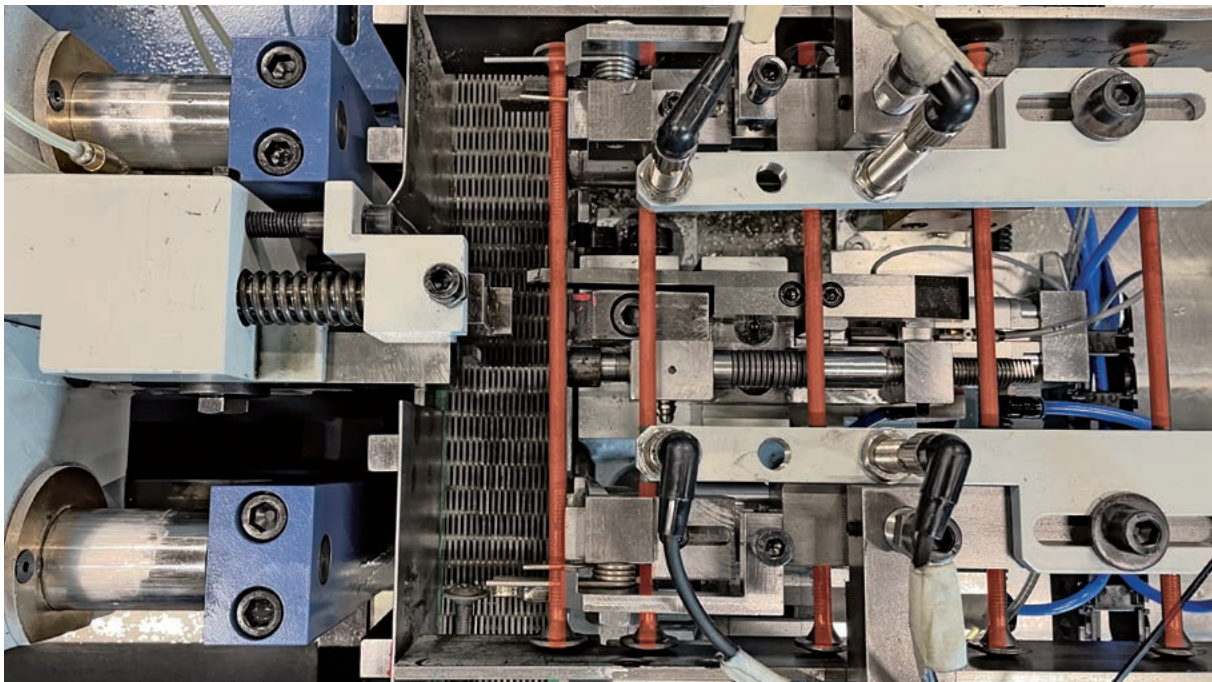
Controlled rod feeding

We use servo-motors to control the feeding of rod into our machines. In this way, we achieve length tolerances of ± 0.15 mm without recutting – that is without causing any scrap.



Central deviding

For the production of screws, e.g. with disc heads in high quantities, we separate the formed double-head blank into two individual blanks. In this way, up to 320 screws per minute can be produced.



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