



Tube End Forming Machines

C-type

machines developed for **expanding, reducing, sizing and beading** after bending or welding – compatible with standard C-tools

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Tubimatic C 80

diameter range from Ø20 mm up to Ø80 mm



Tubimatic C 80 UNO



Tubimatic C 80 DUE



Tubimatic C 80 TRE

check the video



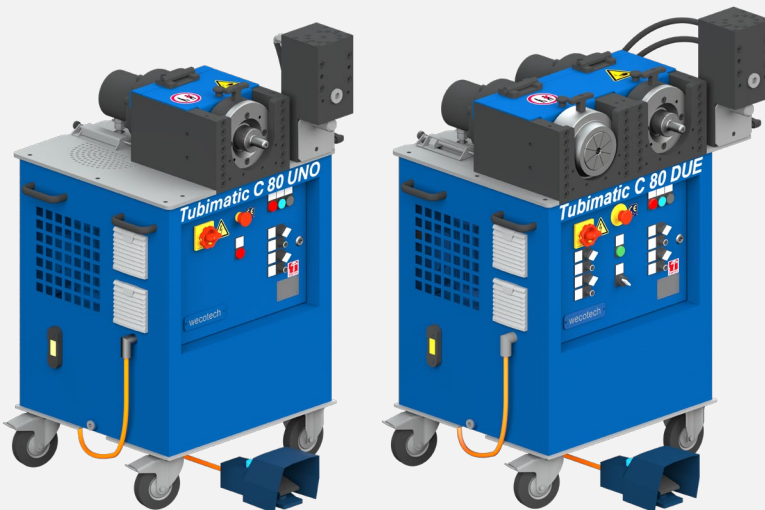
Tubimatic C 80 options

4" color touchscreen



- 4" color touchscreen
with integrated position sensor
- memory for up to 200 programs (numerical)
 - workpiece counter (total/shift reset)
 - working hours counter
 - offset

slot punching unit

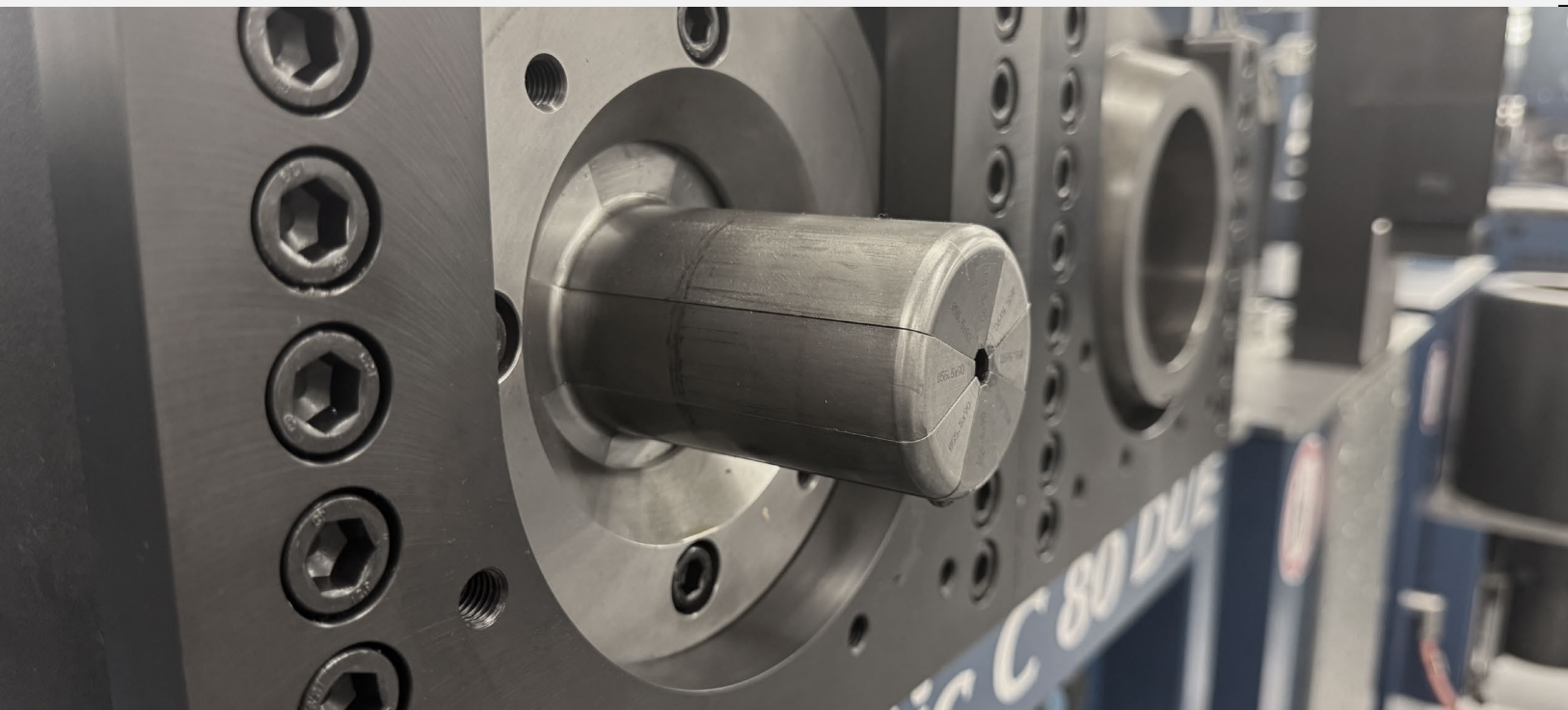


Designed for single or multiple slots on circumference. Straight, Torca, parallel or perpendicular to tube axis.

tube support table

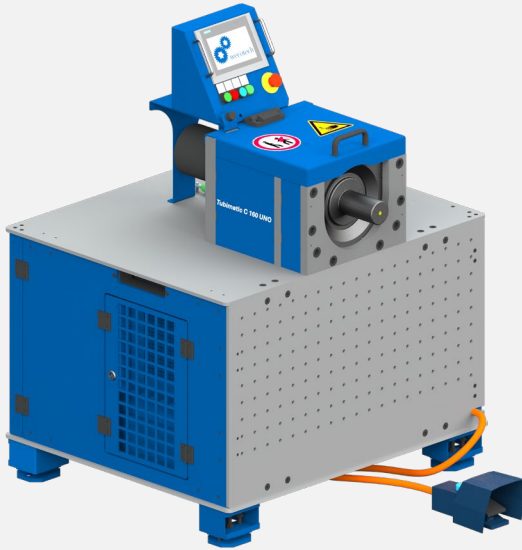


Support for easy loading and precise positioning of tubes, ensuring stable handling and accurate alignment during operation.



Tubimatic C 160

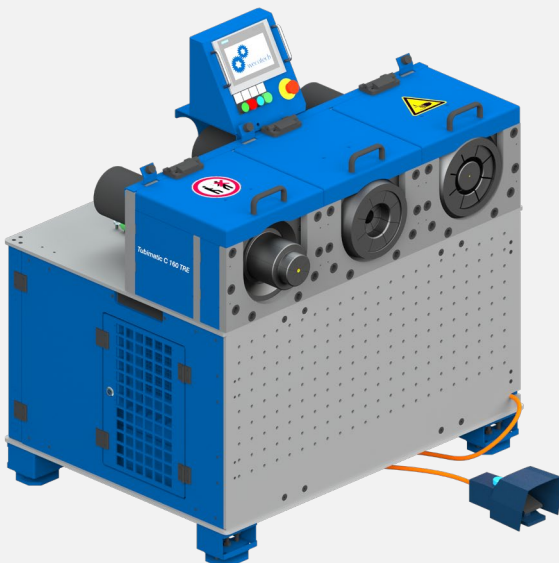
diameter range from Ø20 mm up to Ø160 mm



Tubimatic C 160 UNO



Tubimatic C 160 DUE



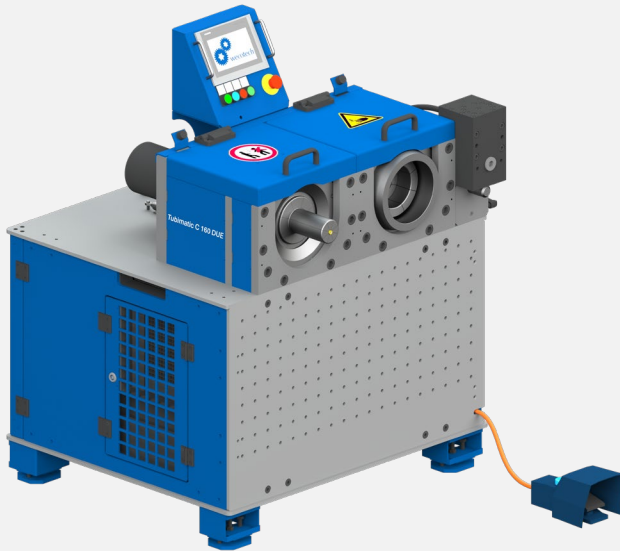
Tubimatic C 160 TRE

check the video



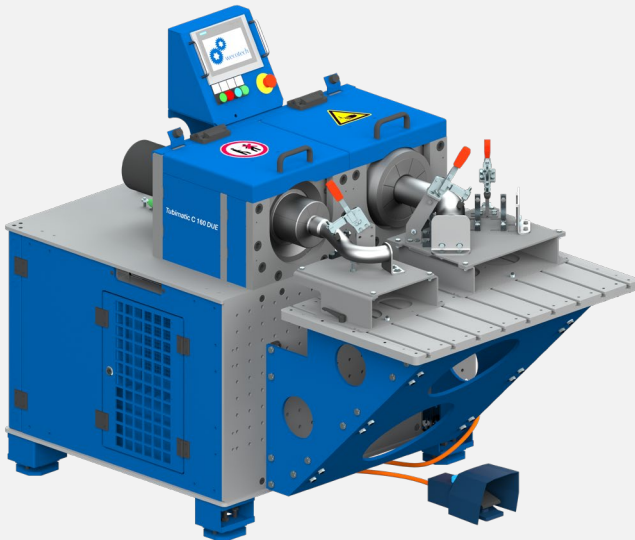
Tubimatic C 160 options

slot punching unit



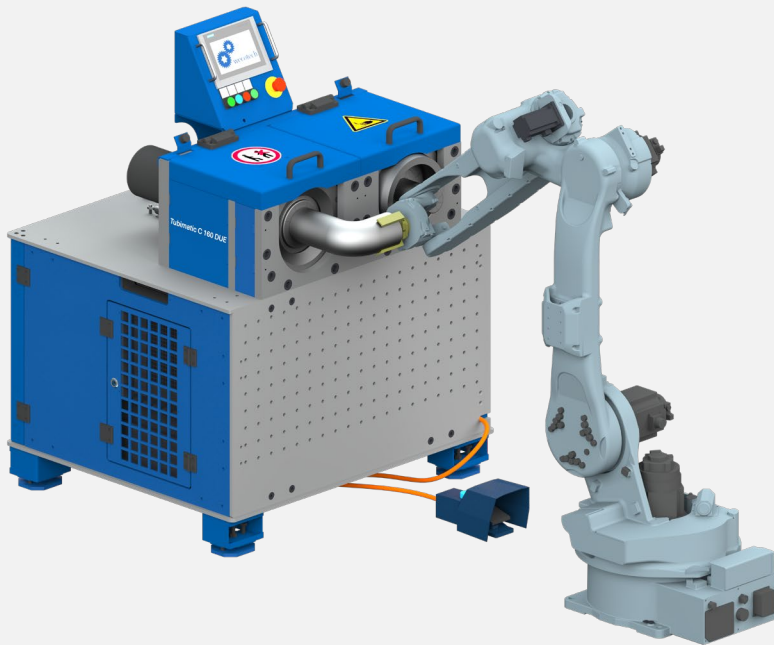
Designed for single or multiple slots on circumference. Straight, Torca, parallel or perpendicular to tube axis.

tube support table

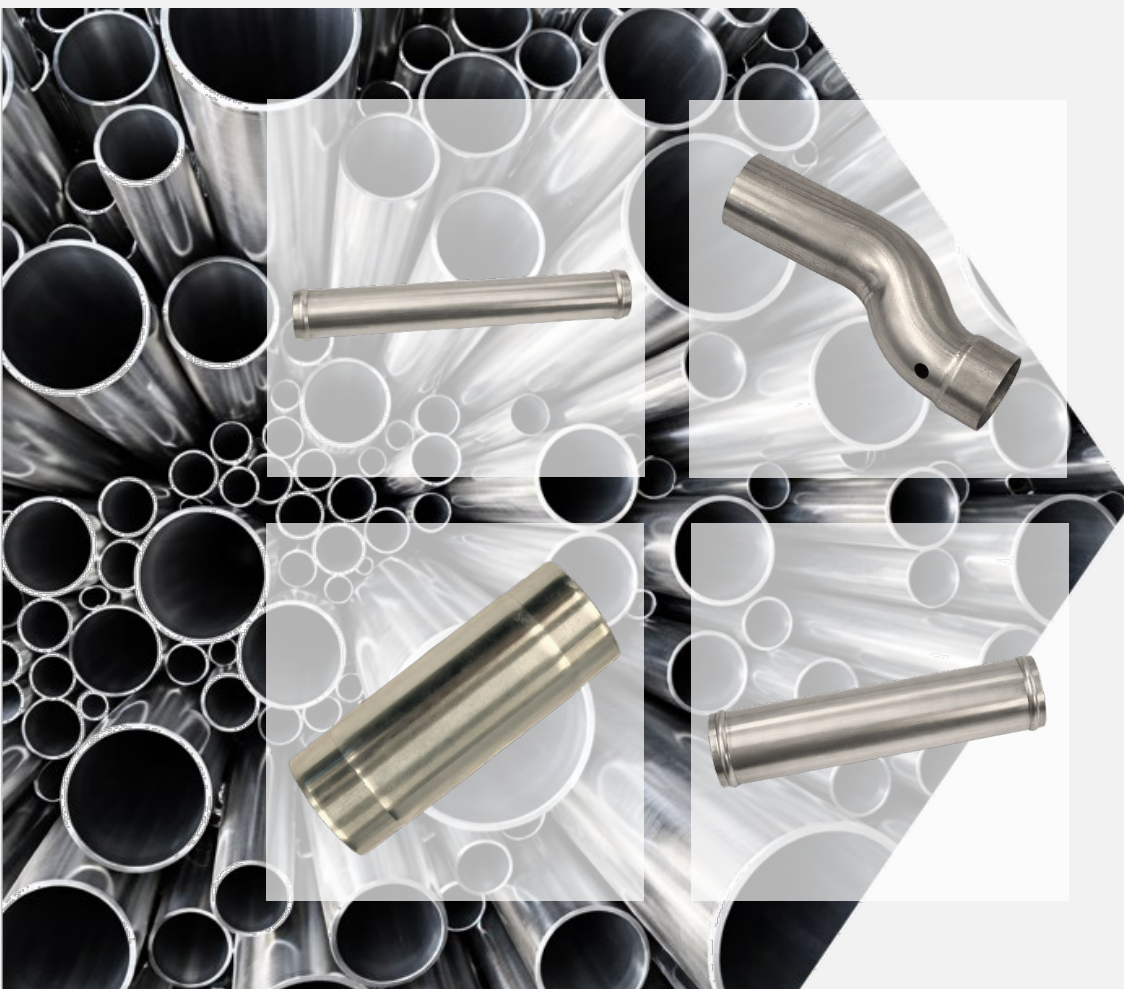


Support for easy loading and precise positioning of tubes, ensuring stable handling and accurate alignment during operation.

robot interface

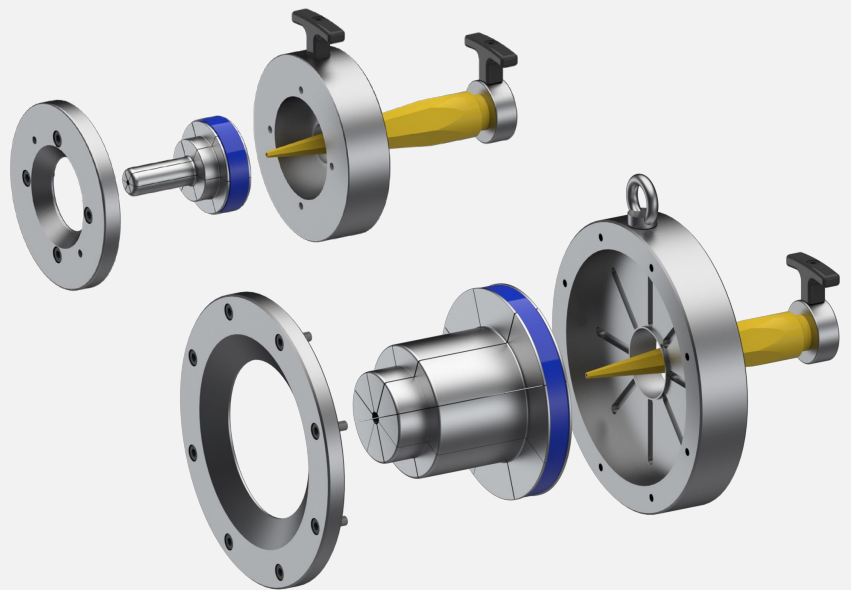
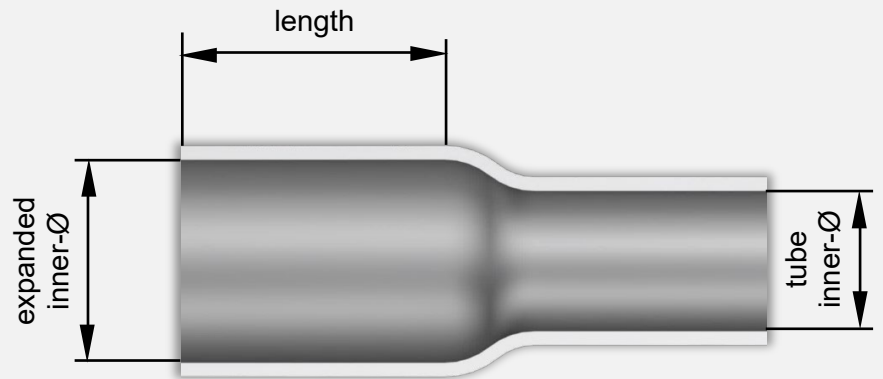


The machine is equipped with an interface for use with robots or handling systems. The pre-configured interface allows smooth integration into production cells.



expanding tools

8" tools		
tube inner-Ø	expanded inner-Ø	length
21.7	31.1	40.0
24.8	34.2	40.0
26.3	35.7	55.0
28.3	37.7	55.0
31.3	40.7	70.0
33.2	43.8	70.0
35.2	45.8	82.5
36.7	47.3	82.5
39.7	50.3	82.5
43.2	53.8	82.5
45.2	55.8	82.5
46.2	56.8	82.5
49.2	59.8	82.5
50.2	60.8	82.5
52.2	62.8	82.5
55.2	65.8	82.5
58.7	69.3	82.5
60.2	70.8	82.5
62.0	72.6	82.5
65.2	75.8	82.5
71.3	81.9	82.5
75.2	85.8	82.5
83.1	93.7	82.5



stop finger

to adjust the forming length



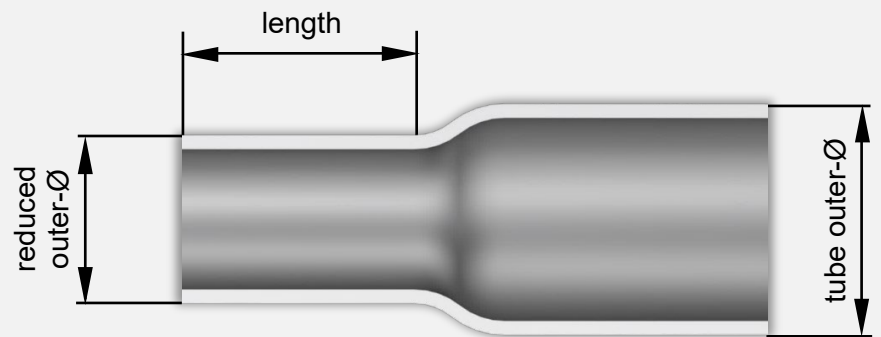
12" tools		
tube inner-Ø	expanded inner-Ø	length
82.0	96.0	95.5
93.0	107.0	95.5
100.0	114.0	95.5
106.0	120.0	95.5
112.0	126.0	95.5
119.0	133.0	95.5
131.0	145.0	95.5
138.0	152.0	95.5
144.0	158.0	95.5
152.0	166.0	95.5

composed of:

- expanding finger set
- housing
- cone

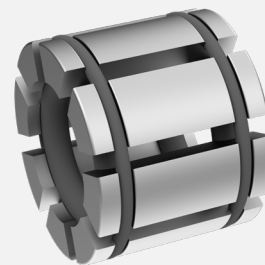
reducing tools

8" tools		
tube outer-Ø	reduced outer-Ø	length
32.4	23.4	74.0
35.5	26.5	74.0
37.0	28.0	74.0
39.0	30.0	74.0
42.0	33.0	74.0
45.0	36.0	74.0
47.0	38.0	74.0
48.5	39.5	74.0
51.5	42.5	74.0
55.0	46.0	74.0
57.0	48.0	74.0
58.0	49.0	74.0
61.0	52.0	74.0
62.0	53.0	74.0
64.0	55.0	74.0
67.0	58.0	74.0
70.5	61.5	74.0
72.0	63.0	74.0
73.8	64.8	74.0
77.0	68.0	74.0



stop jaws

to adjust the forming length



12" tools		
tube outer-Ø	reduced outer-Ø	length
64.0	49.0	96.0
69.0	54.0	96.0
70.0	55.0	96.0
74.0	59.0	96.0
79.0	64.0	96.0
82.0	67.0	96.0
92.0	77.0	96.0
102.0	87.0	96.0
106.0	91.0	96.0
112.0	97.0	96.0
119.0	104.0	96.0
131.0	116.0	96.0
138.0	123.0	96.0
142.0	127.0	96.0
152.0	137.0	96.0

composed of:

- reducing jaw set
- cone sleeve

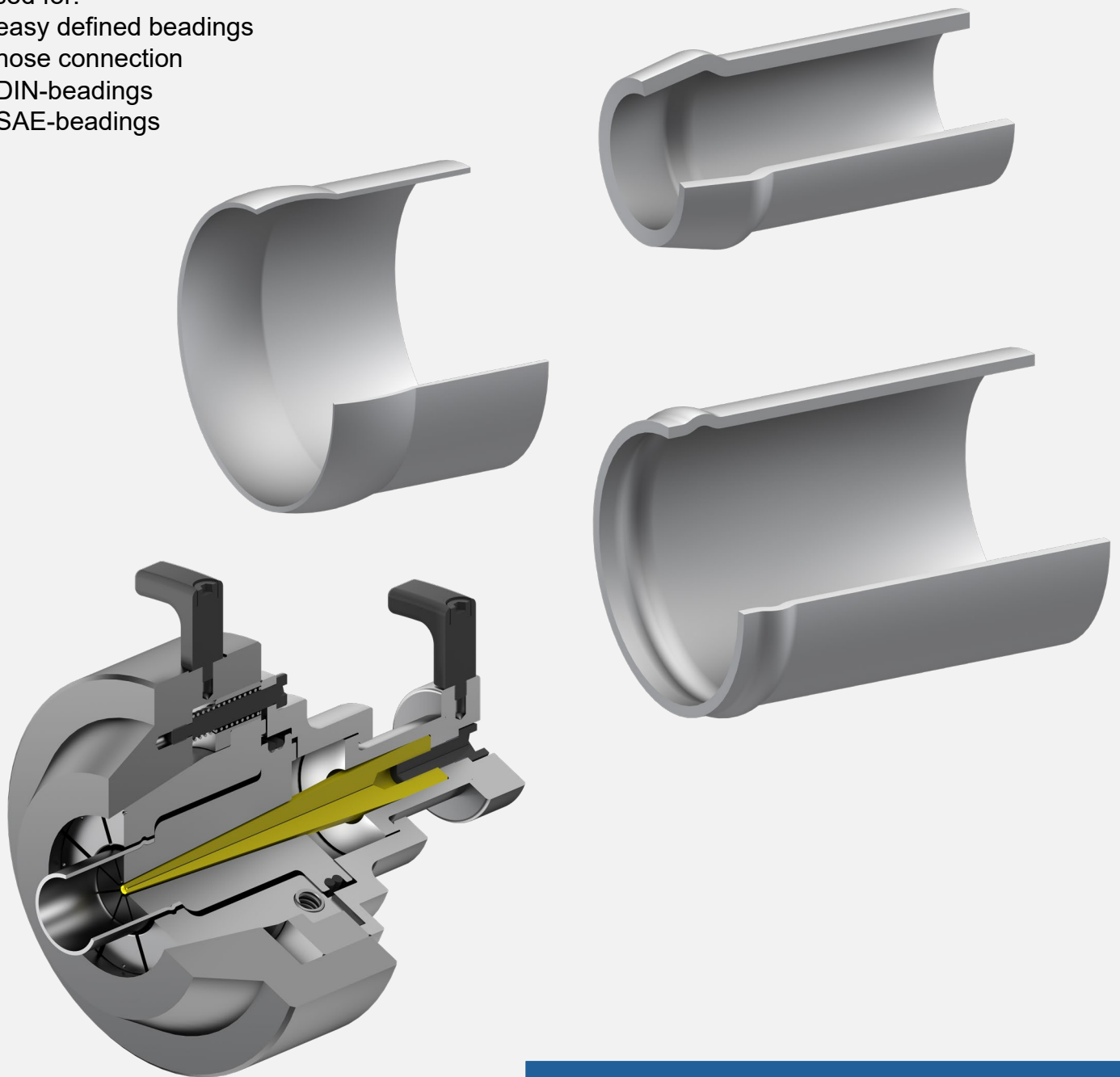
C-IO tools

C-IO forming

The cone moves forward and spreads the inner tool. With this motion, the outer tool is closing and gives the perfect shape to the tube.

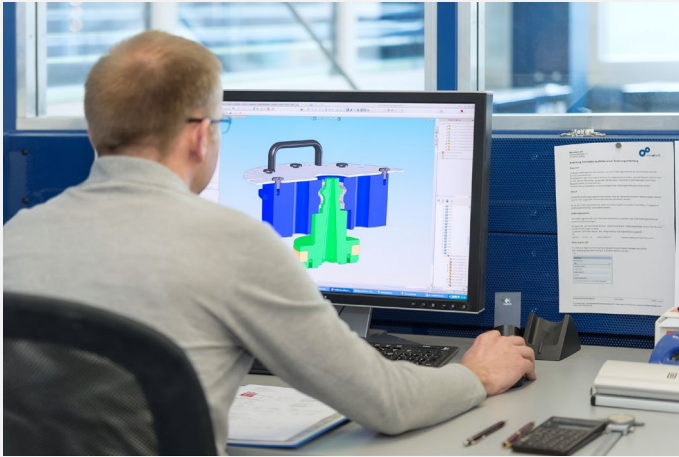
used for:

- easy defined beadings
- hose connection
- DIN-beadings
- SAE-beadings



composed of:

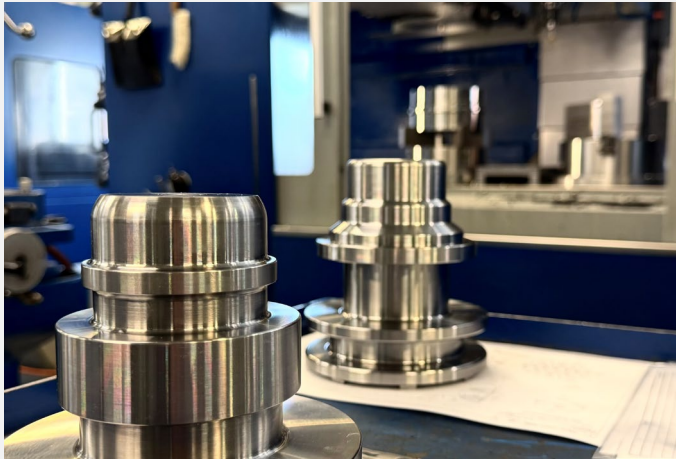
- cone
- inner tool
- outer tool
- housing



Wecotech AG is your partner in the field of tube end forming.

With technical **expertise**, **experience** and **passion**, we develop solutions where standard concepts reach their limits.

Our goal is to face and solve the toughest challenges.



We design and manufacture our tools and machines entirely in-house **precisely, individually**, and **perfectly customized** to your requirements.

From engineering to production, every step is handled in-house ensuring highest quality and maximum process reliability.

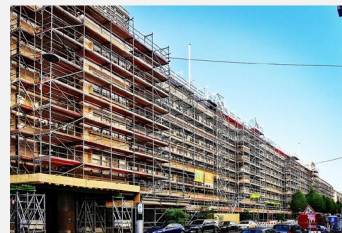
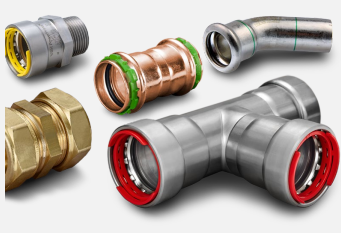


Our tools are tested under production conditions and precisely fine-tuned. Through optimisations and exact process alignment, we ensure that your tube is formed within the specified tolerances, delivering stable processes and reliable series production quality.

technical data

	Tubimatic C 80	Tubimatic C 160
PRODUCT RANGE		
diameter	Ø20-80 mm	Ø20-160 mm
forming length	up to 90 mm	up to 150 mm
wall thickness	up to 3 mm	up to 4 mm
range of forming length, diameter and wall thickness can vary product specific		
FORMING UNIT		
axial stroke	100 mm	150 mm
lifting force	19 t	34 t
expanding stroke in Ø	12 mm	25 mm
impanding stroke in Ø	9 mm	16 mm
HYDRAULIC UNIT		
tank volume	50 l	63 l
flow rate	13 l/min	20 l/min
pressure	240 bar	300 bar
motor	4 kW	7.5 kW
ELECTRIC UNIT		
connection 400V / 50Hz / 3L + PE	16 A	32 A
PLC Siemens (fail safe)	✓	✓
touchscreen 4"	optional	✓
safety switch on the tool cover	✓	✓
safety foot switch	✓	✓
forming program settings	manual	CNC-programming
MACHINE FEATURES		
working position	horizontal	horizontal
dimension	700x600x1100 mm	1000x900x1300 mm

Tube-End-Forming For World's Leading Industries





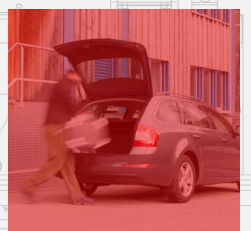
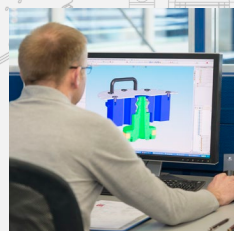
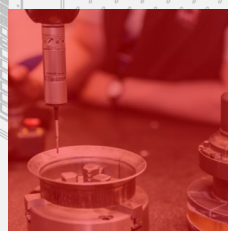
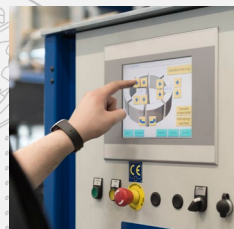
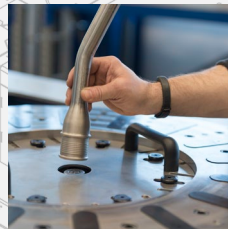
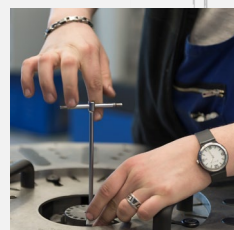
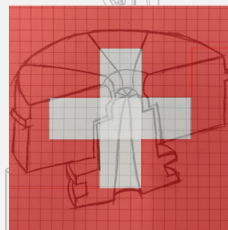
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Your trust inspires us to develop and provide solutions that meets the highest requirements. At Wecotech, we are more than a company – a partner which focus on forming your ideas.

Together we realize challenges efficiently by simplicity and clarity, the customer benefit in sight.

Your goals guide our work, and your success measures ours.



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