



OAK TUBE CUTOFF

CNC Straight Tube Cutoff (STCO)

OAK STRAIGHT TUBE CUTOFF

The CNC programmable straight tube cutoff line from Burr OAK Tool is the most flexible straight tube production system ever developed for the tubing industry. Feed length, speed, and batch sizes are all accurately controlled through the touch screen interface, maximizing the productivity of processes and personnel.

This hitch feed design incorporates a belt driven linear actuator that positions an air operated clamp to allow a maximum of 36" (914.4 mm) of stroke feed. The control of many aspects of the hitch feed can be determined by the operator at the touch screen interface. These include part length, number of parts required, and the actual feed speed.

PRODUCTION

6" (152.4 mm) long: 35 pcs/min
18" (457.2 mm) long: 30 pcs/min
36" (914.4 mm) long: 26 pcs/min

FOOTPRINT

M5
≈ 186" long x 40" wide x 72" tall
(4.72 m x 1.0 m x 1.82 m)
≈ 4,108 lbs / 1,863 kg

M6
≈ 220" long x 60" wide x 72" tall
(5.58 m x 1.5 m x 1.82 m)
≈ 4,410 lbs / 2,000 kg

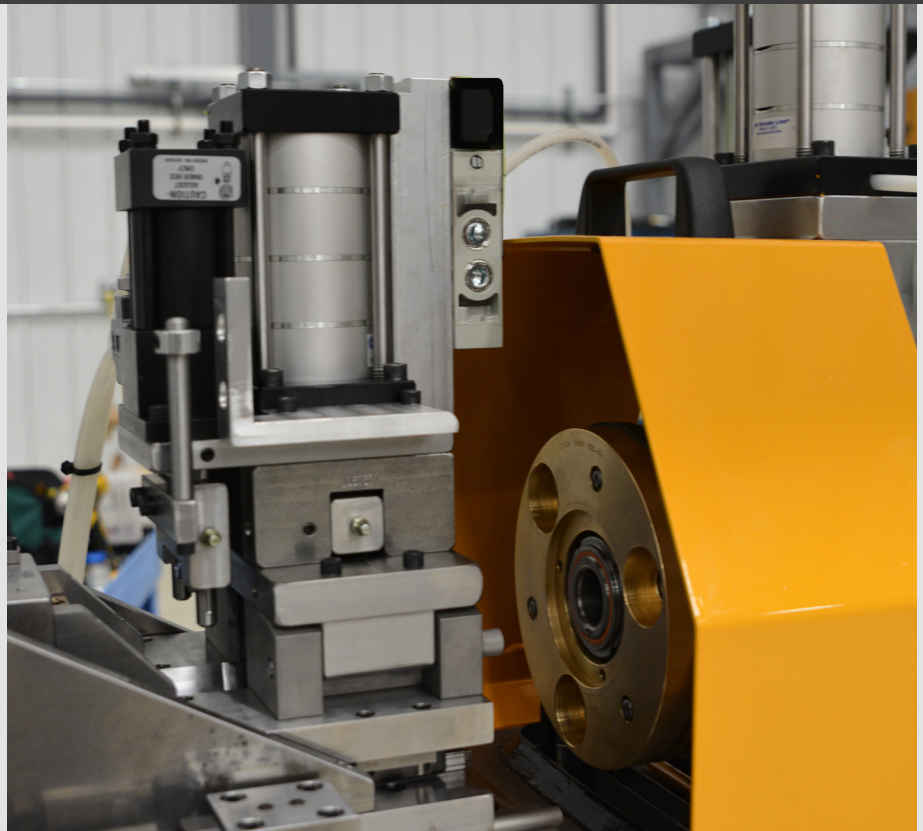
AIR

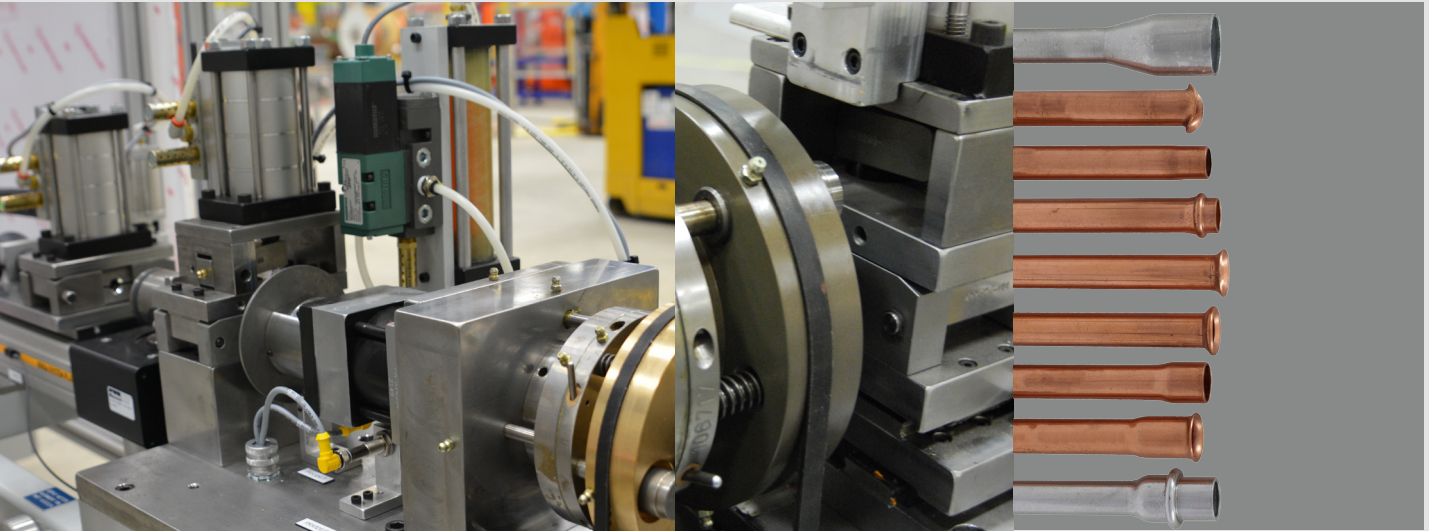
25 ft³/min at 80 psi
(.708 m³/min at 5.5 bar)
Constant Volume Air

POWER

29 – 38 kW @ .80/.82 PF
24 VDC Controls

**Foundation information supplied upon request





The operator can enter up to five different lengths and the machine automatically repositions itself each time the correct batch number is achieved, thus reducing set-up time.

We offer all cutoff machines in single or double configurations and with end-forming capabilities.

MATERIAL SIZE

M5:

3/16" (4.75 mm)* - 1 1/8" (28.57 mm) OD
.010" (.25 mm) - .060" (1.52 mm) wall thickness

M6:

3/16" (4.75 mm) - 1 3/4" (44.45 mm) OD
.010" (.25 mm) - .125" (3.18 mm) wall thickness

MATERIAL TYPE

Copper
Aluminum
Brass
Steel
Stainless Steel
Polypro Coated

Economic Advantages

- 10 minute tooling changeover.
- CNC auto setup end forming means consistent end-forms with faster setup time.

Technical Advantages

- Sizes, cuts, straightens and end-forms in a single operation.
- Up to 36" (914.4 mm) material fed in a single stroke.
- Part lengths greater than 36" produced with multiple feed strokes.
- Minimum part length of .750".
- Electric Servo motor; hitch feed instead of air.
- Magnetic cutter carrier enhances cutter blade performance.
- Chipless cut.

User Advantages

- Touch screen controls for feed length, feed speed and batch size.
- Tooling changes typically do not require tools.
- Clear guarding provides an unobstructed view of the machine in operation while protecting operator.
- Guarding is mechanically locked during machine operation to ensure operator safety.
- Operator touch screen controls can be configured for different languages.

*Please contact your Sales Engineer for information on smaller tube diameters.