

# Tube & Wire

ProTube supply tube and wire manufacturing machines and consumables. Our complete range includes Fives OTO Mills, Mair Research, Eurolls, Teurema, Vitari, Team Meccanica, Brouwer Metaal, SW Wil, EHE, EFD, Strub, TKM Bohler Miller, Lubrimetal and other specialised machinery, consumables and wear items.

## Tube Mills

## FIVES OTO MILLS

ProTube represents Fives Oto Mills in Australia and New Zealand. Fives Oto is a leading Italian designer and manufacturer of high quality tube forming machinery always applying the latest technological advances and their vast experience reflects in the reliability and robustness of the equipment.

- Tube mills
- Decoilers
- Strip Jointers
- Strip Accumulators
- Cutoff Units



Oto 503 Tube Mill



Oto AD 256 Decoiler

We also offer solutions for machine installation, technical upgrades, and spare parts.

## Integrated Finishing Lines

## MAIR RESEARCH

Mair Research provides tailor made machinery for tube and bar finishing and automation. Based in Italy, they have been supplying the manufacturing industry since 1977 with innovative solutions.



## Tube Forming Rolls

## EUROLLS

Eurolls produce tube forming rolls either in accordance with drawings or by design. Their comprehensive range comprises solid and split rolls, rolls with TC inserts, ceramic rolls, floating flanges, clamps etc. always manufactured to strict tolerances and finishes.



**Tube Welding and preheating** **EFD and EHE**

EFD and EHE are world leaders in supplying HF welders and heaters, impeders, coils, busbars etc. to the tube and pipe industry. Over the last 30 years they have worked hard to understand the principles of induction tube welding and this knowledge allows them to develop innovative products for ever increasing demands in performance.

- Ferrites • Impeders • Inductor coils



**Coil Changing Systems – special machinery**

ProTUBE supply special machinery and attachments for tube and wire manufacturers. Our knowledge and experience enables us to offer tailored solutions and products ensuring your requirements are perfectly met.

- Coil Lifting and transfer cars
- Bead choppers
- Inline painting ...and more



**Tube Cut off Blades** **SW WIL**

ProTUBE’s Swiss cut off blades are designed for maximum performance and cut quality. The range includes SwissCUT HR friction blades (NEW technology) **for substantially higher number of cuts** (3-4 x more compared to normal friction blades), **much smaller tag and less cracking**.

The NEW SwissCUT Powerblades ( 45 or 65) are designed for maximum performance when cutting higher grade steels (Dual Grade) HSS blade with an **innovative coating system** for tubes and bars in the range of 450N/mm<sup>2</sup> to 650N/mm<sup>2</sup>. The SwissCUT T (TC tipped blade) completes the range. **Proven performance with all major tube manufacturers!**



**Powerblade 45 and 65**

HSS Coated blade with high oxidation resistance.  
For 450 to 650 N/mm<sup>2</sup> tube and bar

**SwissCut T**

Tungsten Carbide Tipped blade  
For 650 to 1850N/mm<sup>2</sup> tube and bar

**Strapping**

Available in a variety of grades, widths and finishes.

**ARES Strap**

- Standard strapping for most applications, 750-800N/mm<sup>2</sup>
- **8% minimum elongation** before breakage

**ARES PLUS**

- TRUE high strength strapping 950 N/mm<sup>2</sup>
- **12% minimum elongation** before breakage



**Black Painted and Waxed Finish**

- Better corrosion protection than unpainted waxed strap.

**Zinc Painted and Waxed Finish**

- Highest corrosion resistance.

**Wire Machinery** **EUROLLS/VITARI/TEUREMA/TEAM MECCANICA**

Eurolls newly consolidated wire machinery division includes the well-known Vitari, Teurema and Team Meccanica brands.

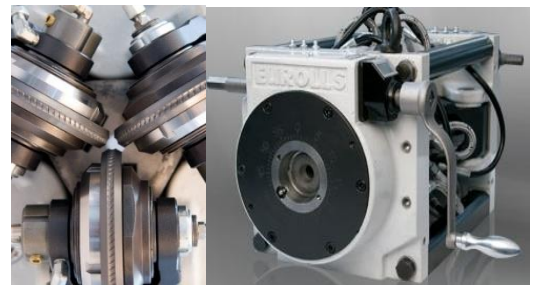
- Bar straightening and cutting lines
- Cold rolling lines
- Multipass wire drawing machines, pay offs & take ups
- Netting & barbed wire machines
- Chain making machines



**Wire Cassettes and Rolls** **EUROLLS**

ProTube supplies cassettes and rolls suitable for the production of smooth or ribbed low, medium, and high carbon steel wire as well as copper, aluminium and titanium wire.

- |  |                              |                                |
|--|------------------------------|--------------------------------|
| Tungsten Carbide Rolls<br>Roll Holders | Descaling Rolls<br>Cassettes | Profiling Rolls<br>Accessories |
|--|------------------------------|--------------------------------|



**Brocadur Copper Alloys - NEW BF free high wear resistant alloy** **BROUWER METAAL**

We supply and stock a range of quality copper alloys for use in resistance welding and general industry. Our high performance Beryllium free copper alloy - Brocadur BF, has found wide acceptance in industry and is now a standard in many factories. Also available is tungsten copper for maximum life.

	Brocadur CCZ	Brocadur BF	Brocadur CCNB
Properties	Cr 0.8, Zr 0.1	Cr 0.4, Ni 2.5, Si 0.7	Co 1.0, Ni 1.0, Be 0.5
Hardness Brinnell HB 30	135-170	200-240	265-285
Tensile Strength N/mm <sup>2</sup>	380-470	755-900	750-850
Thermal Conductivity W/mK	320	250	250
Electrical Conductivity %IACS	80	48	50



**Lubrifil Lubricant/Soap/Descalers** **LUBRIMETAL**

We supply lubricant specially formulated for use in wire making. Our extensive range includes:

- |  |  |
|--|--|
| • Calcium based dry drawing lubricants | • Borax and nitrite free lubricants      |
| • Sodium based dry lubricants          | • Emulsifiable oils for wet wire drawing |

**Coolant – NEW Stabillo Cut Extreme** **STRUB**

ProTube stocks a wide range of coolants for different applications. These coolants are of the highest quality leading to better efficiency and lower overall cost.

**Biobalanced Coolant:**

- Includes good bacteria to work as a biological protection against emulsion destroying pathogens.
- No need for biocides!
- Low pH
- Free of amines and nitrite

**Biostatic Coolant (Stabillo Cut Extreme):**

- Long term stability
- Nano technology for superior handling, tool life, and surface finish
- Excellent performance
- Excellent biological control and corrosion protection



**HF Induction Heating – welding, brazing, heating incl. bolts and nuts, straightening, paint stripping** **EFD**

The Minac range can heat practically any electrically conductive material: copper, aluminium, steel, stainless steel, titanium, brass, etc. It can also be used with a wide variety of coils—even ‘one-off’ coils that have been tailored to your specific needs.

Minac’s handheld transformers (HHT) combine maximum efficiency with maximum ease-of-use. Simply turn on, and accurately regulate power by pressing the trigger. Easy to operate with sturdy hand grips. The flexible connector cable allows easy, unhindered access to work pieces.



EFD offers a range of other heating equipment including:

- **Sinac** – universal heat generators
- **Weldac** – high output HF solid-state welders
- **Terac** – thermal straightening

**Professional Service** **NIGEL ROBBIE**

Nigel’s prime specialisation is with high frequency welding and medium frequency heating equipment for tube, pipe and sections gained whilst working for one of the industry’s leading companies.

Nigel is based in Queensland to support domestic and international markets for products and equipment offered by ProTUBE.



**Slitter, Shear, Scrap Chopper Blades** **TKM BOHLER MILLER**

- Rotary Slitter Knives
- Tube Cut-off Knives
- Custom Length Knives
- Scrap Chopper Blades
- Separator Discs
- Shear Blades
- Profile Shear Blades
- Steel Stripper Rings
- Spacers
- Hot Working Knives



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