

F2 Products and Solutions for Tube Manufacturing

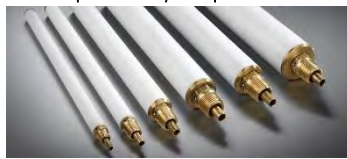
Protube Engineering supplies a range of high-quality consumables and wear items for the tube manufacturing industry.

IMPEDERS

Impeders are an integral and critical component in the pipe welding process. Often neglected, they can cost your business substantial amounts of money every year if they are not properly designed, manufactured and selected correctly.

RETURN FLOW IMPEDERS

Our RFI (Return Flow Impeders) are used for applications where the inside of the tube must be kept as dry as possible.



HOLLOW / ID SCARFING IMPEDERS

Hollow impeders are available in through flow and return flow. They can be utilised for processes like ID scarfing/bead rolling as well as for ID painting of tubes. Our Integral mandrel impeders are designed for mechanical ID scarfing systems.



FERRITE CORES

We source only the highest quality impeder ferrite cores for high frequency tube welding applications.



THROUGH FLOW IMPEDERS

Through flow impeders are the most common type of impeders and are a relatively simple concept, however our designs ensure maximum high quality ferrite mass is placed within a well-constructed assembly. The result is improved performance, saving you money and increasing productivity.



INDUCTION COILS

Our induction coils are made only from high conductivity copper. We can also offer a special coating process for contact surfaces on the coil which reduces oxidation that can lead to resistance on coil connection.



IMPEDER CASINGS

We offer a wide range of impeder casing sizes and materials. We have a solution for every HF welding application.

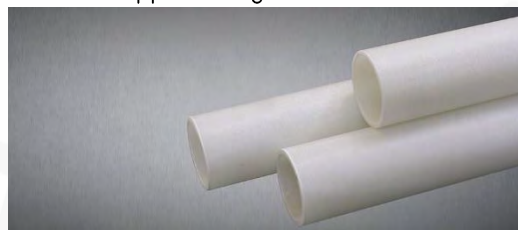
WELD GUARD

Our proprietary S300WG is a special high temperature epoxy composite FW tube with a triple coated layer of a special fluoro polymer (Weld-Guard) for impeder casings.



SILGLASS

Silicone glass is an in-organic material and does not contain carbon, the benefit of this is that it is more resistant to burning and will not undergo any significant chemical change even at temperatures approaching 325C/620F.



FERROGLASS

Ferroglass is an epoxy glass material with ferrite powder impregnated into the resin.



EPOXY GLASS

Epoxy glass material offers an excellent combination of mechanical durability and relatively low cost.



SCARFING INSERTS AND CUTTING RINGS

We offer a full range of high-quality scarfing inserts and associated tooling.

OD SCARFING INSERTS

OD scarfing inserts are offered in a full range of standard sizes (15mm/19mm & 25mm) with positive and negative cutting edges.



ID INSERTS & CUTTING RINGS

We offer a range of custom and standard ID inserts. We also offer custom solutions for ID tool holders that can be retrofitted into existing scarfing systems.

