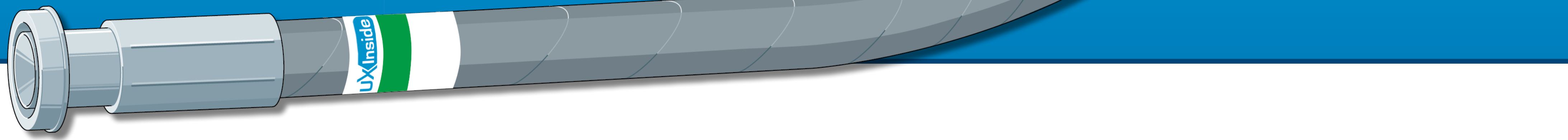


Hose Assembling Workshop

Assembling hose and fittings with safety as priority 1

UX Inside



Hose assemblies

Hose assemblies are safety critical components and an essential part of modern power transmission systems. They affect the overall performance and the safety of hydraulic systems, and contribute to their fundamental functionality and performance.

Workshop equipment

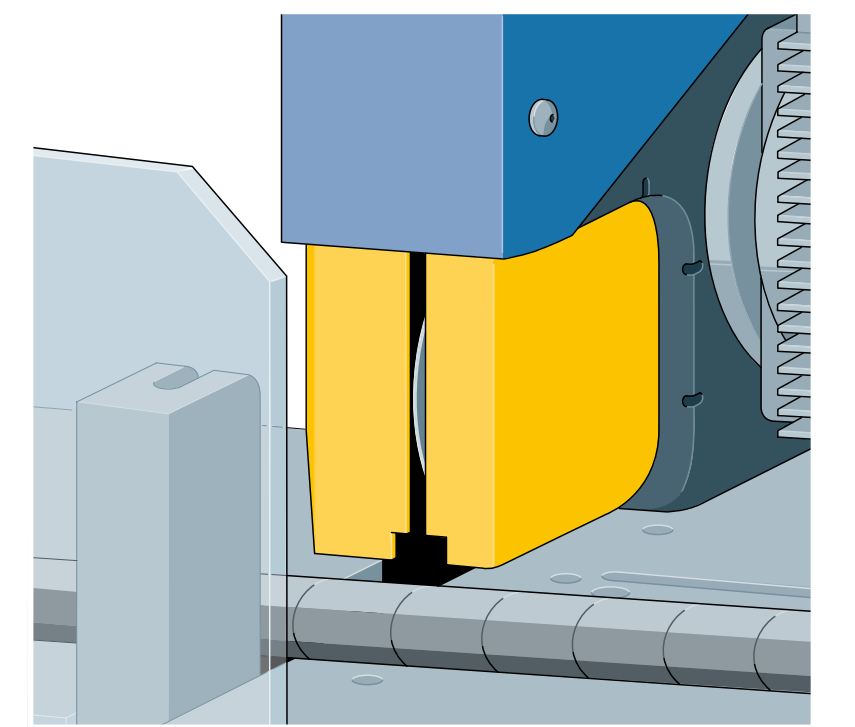
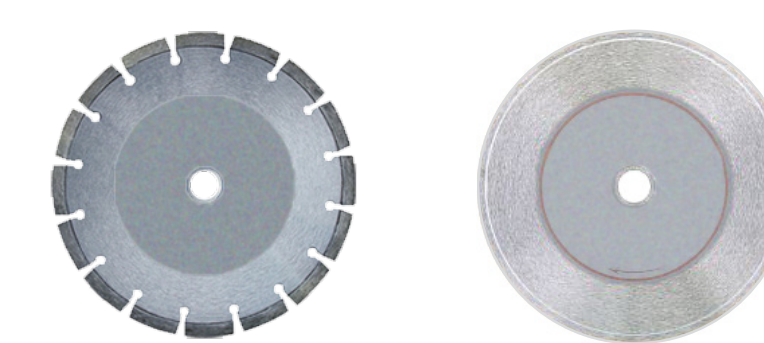
Machines and tools for each step of the hose assembling process from one manufacturer

- A perfectly matched system
- Experienced and trained staff
- Tested and certified workshops

1 Clean and accurately cut hoses

The key to achieving consistent hose lengths and good quality hose assemblies is dependent on getting a straight and clean cut. The selection of machine and the type of cutting blade is determined by the types of hose and the nominal diameters (DN). Impurities in the hose due to residual particles and dust may consequentially cause damage to hydraulic systems.

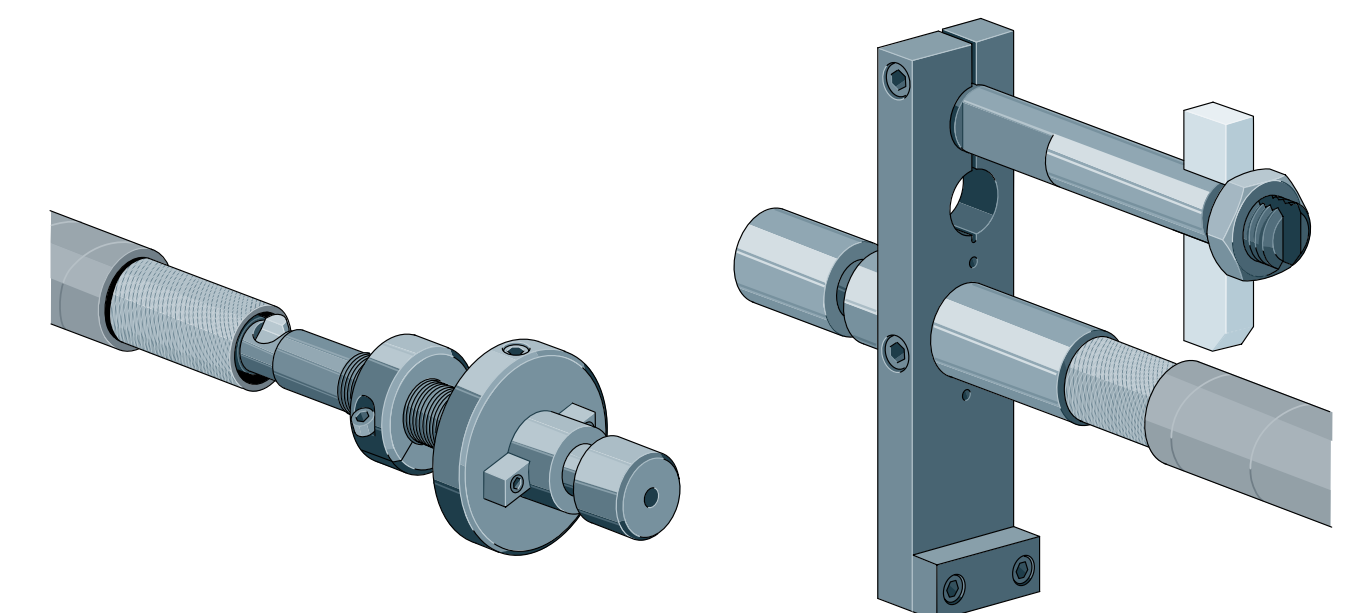
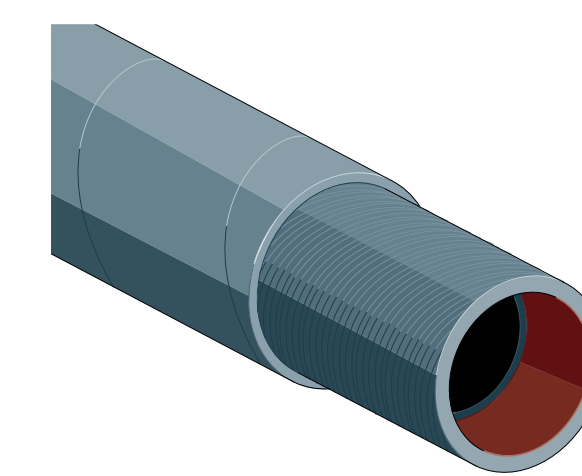
Hose Cutting Machines



2 Perfectly skived hoses – internally and externally

The accurate skiving of the external and internal covers with high quality skiving machines and tools enables a surface free of wire and rubber, and therefore enables a fully engaged assembly prior to achieving a safe crimp.

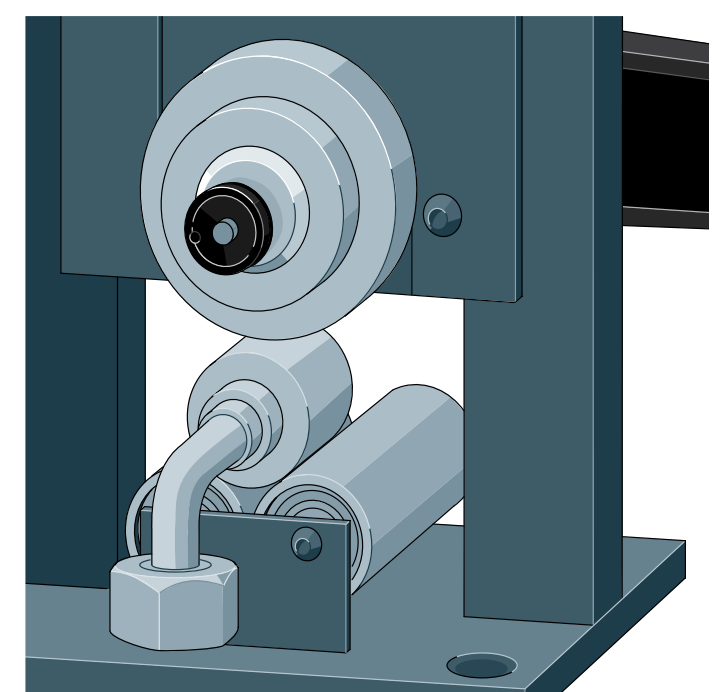
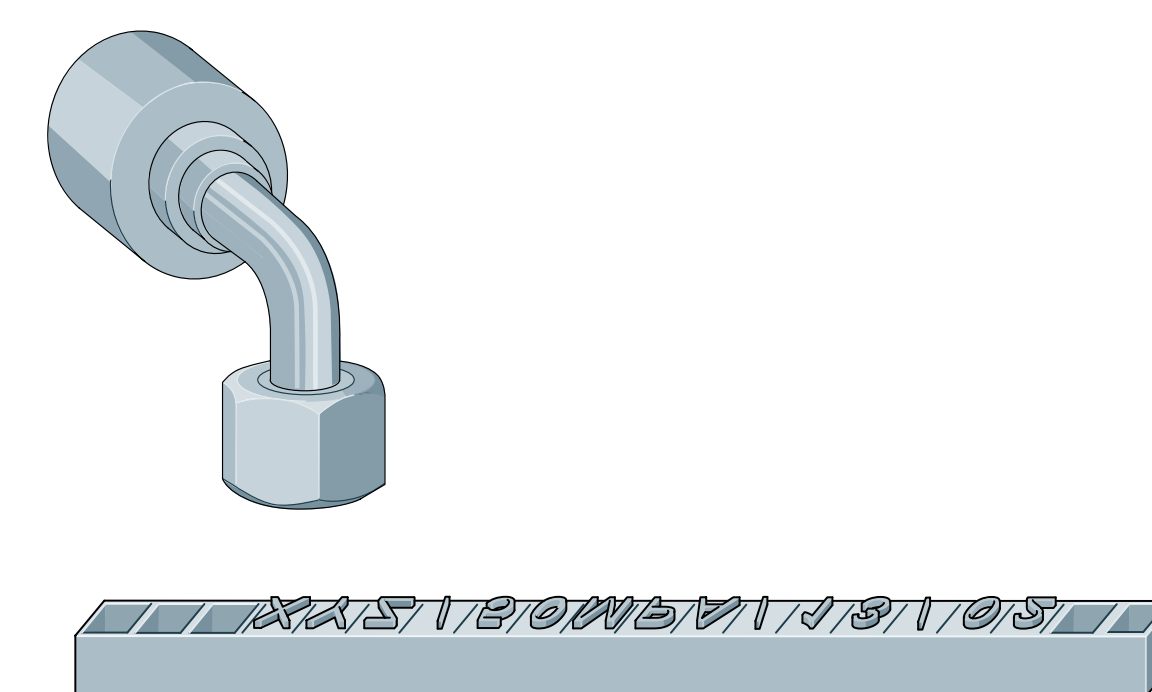
Hose Skiving Machines



3 Marked hose assemblies

According to DIN EN ISO each hydraulic hose assembly has to be permanently marked with the name or logo of the manufacturer, the manufacturing date and maximum working pressure of the hose assembly. By marking the hose assembly, the service life can accurately be checked. This information is essential for the safety of people and equipment.

Marking Machines

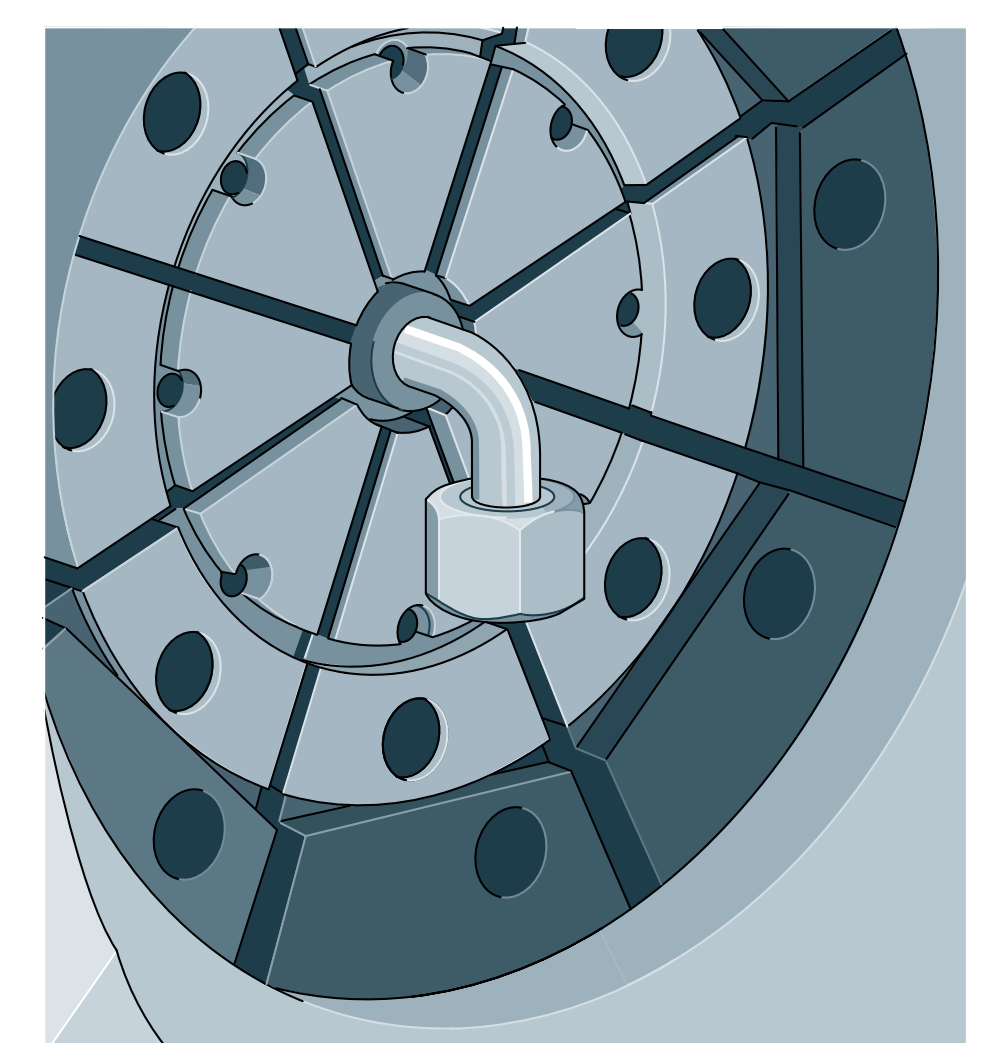
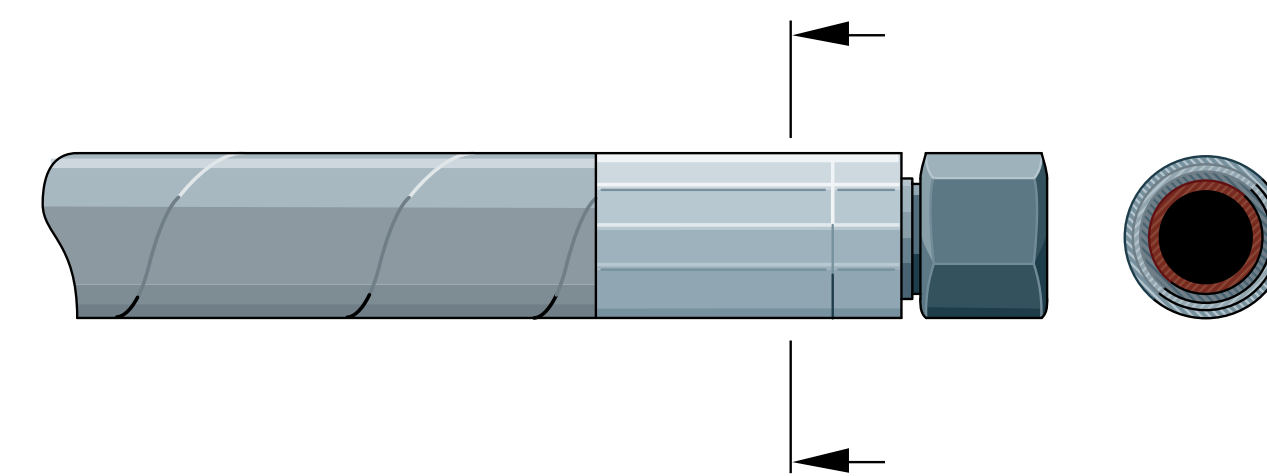


4 Accurately crimped fittings

Crimping – the most important process of assembling

- Proper die selection ensures positively engaged crimping of the fittings all around.
- The specific radius in the profile of the individual die set segments results in optimum material deformation in the crimping zone.
- Oval and tapered crimps are avoided by the use of UNIFLEX precision machines.
- Defined crimping ensures safety in the use of the hose assembly for the individually specified pressure.
- The crimped fitting shows no material tears and sharp edges.

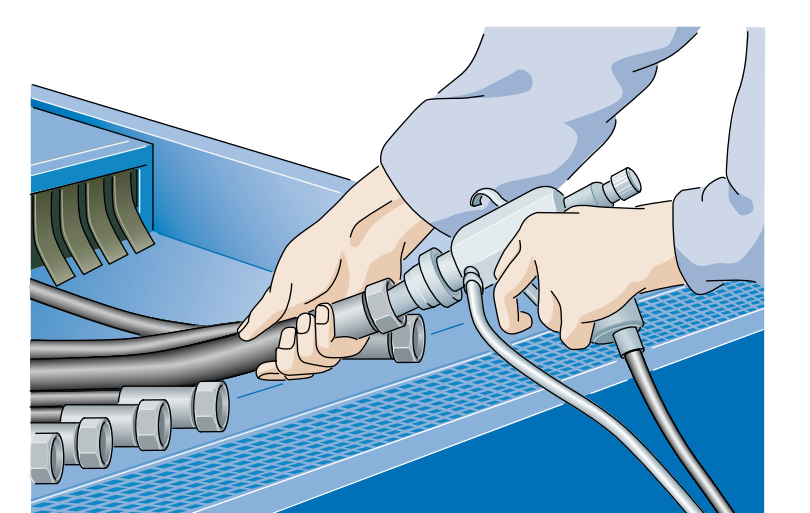
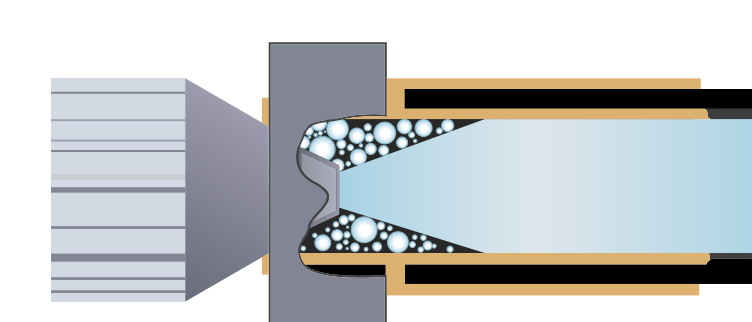
Crimping Machines



5 Cleaned hose assemblies

UNIFLEX cleaning machines remove residual particles from the hose assembly and thus ensure a high degree of cleanliness. All hose assemblies are then free from cutting debris, dirt, liquids or other foreign particles.

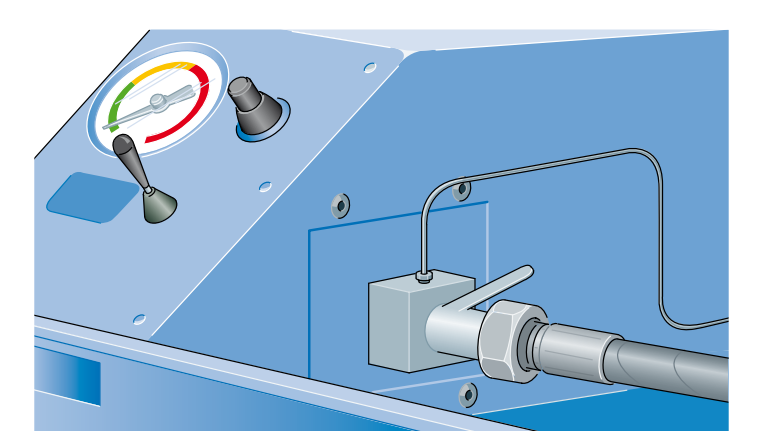
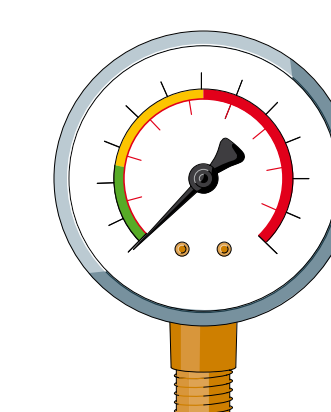
Cleaning Machines



6 Tested hose assemblies

Modern UNIFLEX test benches offer manifold application options and allow testing with adjustable test pressures. Tested hose assemblies ensure safe use.

Test Benches



UNIFLEX.de
made in Germany



uxinside.net 