

# MACHINE TRAINING

## TAILORED INSTALLATION SERVICE

Uniflex offers a full training and installation service. Our customer service team will ensure you are 100% confident with Uniflex.

Training can be simply an hour to familiarise customers with controls, or a full day to cover the installation, basic usage of the machines, software training, production programming, service / data transfer and maintenance.

Our sole mission is to provide the best service with the best machines.

In addition through Abdex we can offer a full range of BFPA courses for best practice with hose and fittings assembly.

We have many endorsements however we never rest on our laurels. Uniflex promise you will never be disappointed!

[See page 555 for BFPA training.](#)



The best return on Investment since 1972.

# THE PERFECT HOSE WORKSHOP

## LEAN & SAFE HOSE PRODUCTION

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

### WORKSHOP EQUIPMENT

Safe hose assemblies require quality machines and tools for each step of the process:

- Optimal performance from all machines
- Experienced and trained staff
- Tested and certified workshops



### CLEAN & ACCURATE CUT HOSE

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, highlighted by residual particles and cutting residues, may consequentially cause damage to hydraulic systems which will cause inefficient performance, or at worst case a catastrophic and costly failure!



### PERFECT SKIVED HOSE – INTERNAL & EXTERNAL

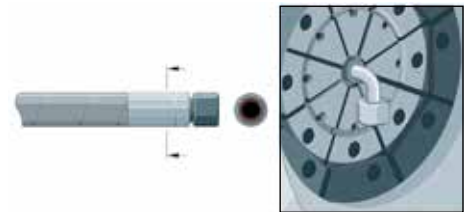
The accurate skiving of the external and internal covers with high quality skiving tools enables a surface free of wire and rubber, and therefore enables a fully engaged assembly prior to achieving a safe crimp.



### SAFE CRIMPED FITTING

**Crimping – the most important process of assembling**

- Correct die selection is critical to the appearance and safety of the crimped coupling
- Specific radius in the profile of the individual die set segments results in optimum material conversion in the integration point
- Oval and tapered crimps are avoided by the use of UNIFLEX precision machines
- Reliable final crimp diameter assures safety as the hose assembly will meet its specified pressure rating without failure
- No material tears and sharp edges results in safe handling



### MARKED HOSE ASSEMBLY

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



### CLEANED HOSE ASSEMBLY

UNIFLEX cleaning machines remove contamination in the hose so the specified standards can be met. All hose assemblies are then free from cutting debris, dirt, liquids and contamination.



### TESTED HOSE ASSEMBLY

Modern UNIFLEX test benches offer various manifold options and allow testing with adjustable proof pressures. Testing of the assembly and the documenting of that testing ensures the safety of hose assemblies.



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