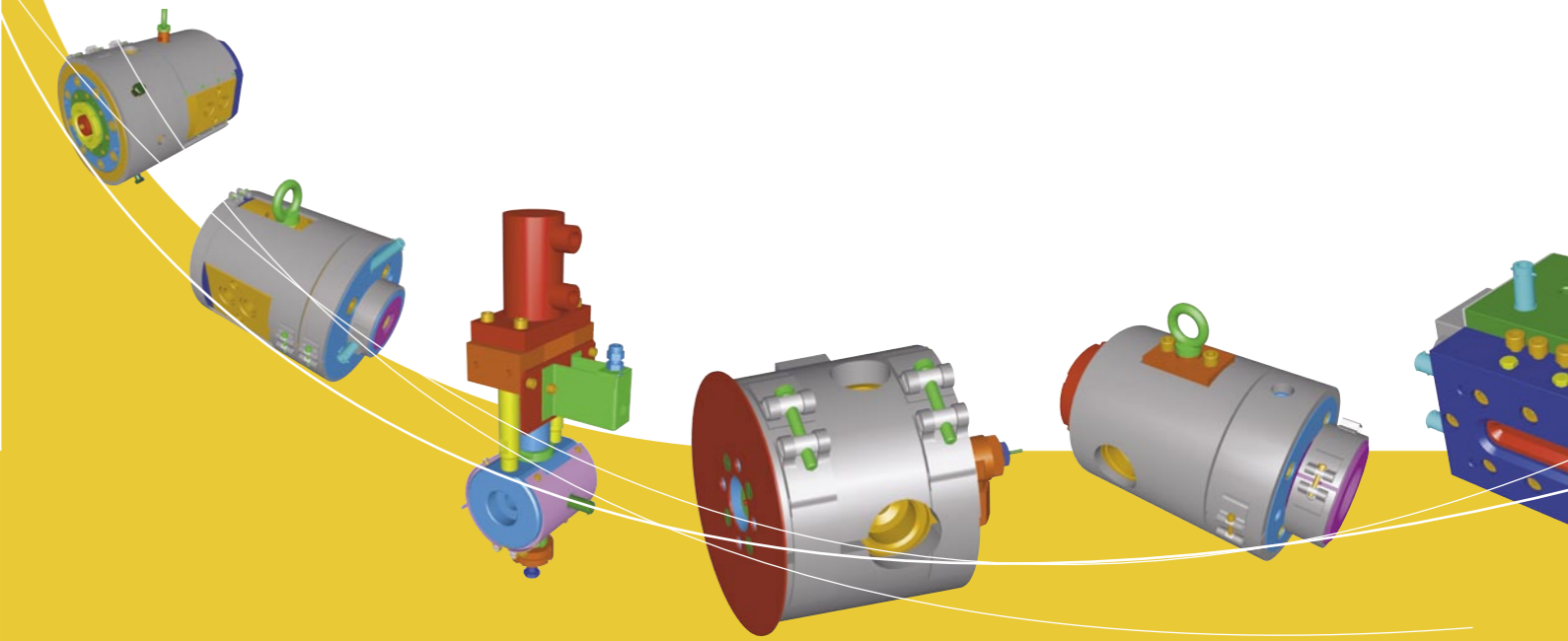




#### THE COMPANY AT A GLANCE

UNITEK is the worldwide leading manufacturer of fixed centered crossheads and add-on technology for the wire and cable industry. The company was founded in 1979 and ever since has been dedicated to providing innovative solutions for increased productivity to the extrusion industry around the world. Close contacts with cable and machinery manufacturers, high standards of research and development as well as state-of-the-art production facilities for highest precision and quality have been the basis of UNITEK's philosophy from the very beginning. The UNITEK team of engineers, technicians and managers has a very strong background in the extrusion and cable industry and is dedicated to providing cutting-edge solutions for the requirements encountered by today's cable industry.

- Crossheads (fixed centered as well as manually centered) including add-on technology such as tips & dies, colour changing systems, bypasses, adapters, support trolleys and cartridge extraction devices
- Extrusion heads made of special steel alloy with unique curing technique
- Extremely durable crossheads with lifetimes of more than 60.000 hours of operation
- Close to zero scrap during start-up (using fixed-centred crossheads)
- Extremely high precision manufacturing
- Unrivalled concentricity during coating for reduced cost of materials
- Over 10 worldwide patents
- 800 satisfied customers in over 40 countries worldwide



## CROSSHEADS FOR THE CABLE INDUSTRY

Unitek Maschinenbau- und Handelsges. mbH | Blindengasse 3 | A-1080 Wien/Vienna | Österreich/Austria

Tel.: (43-1) 332 55 10 Fax.: (43-1) 332 55 15 E-mail: office@unitek.at Internet: www.unitek.at

We Make Leading Products Happen. [www.unitek.at](http://www.unitek.at)

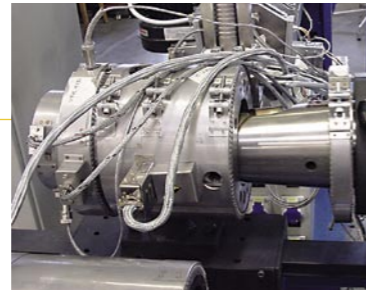
We Make Leading Products Happen. [www.unitek.at](http://www.unitek.at)

**UNITEK is the leading provider of crosshead technology for the extrusion industry worldwide.**

**Our product line includes:**

### CROSSHEADS

- for single layer extrusion
- for co-extrusion of skin or stripe
- for dual layer extrusion
- for dual layer plus co-extrusion of stripe/skin
- for triple layer extrusion
- for triple layer extrusion plus co-extrusion of stripe/skin
- Crossheads with intermediate tool for the separated extrusion of two identical or different materials in one head, like bedding plus sheathing compound.
- Crossheads for the extrusion of fluoro-polymers (single layer extrusion, skin co-extrusion and stripe co-extrusion)
- Furthermore UNITEK offers a number of crossheads for special applications like heads with heating/cooling shells for rubber extrusion or heads for extremely thin wall single or multi-layer extrusion.



### UNITEK CROSSHEADS

are available from size 4 to 100. The size is identical with the maximum outer diameter of the finished product made by compression extrusion. All crossheads are designed with fixed centered, whereas certain heads are also available for manual adjustment.

### CARTRIDGES

In addition to the standard type cartridges we offer special designs in order to meet the requirements of a huge number of applications:

- ST standard cartridges for PVC and PE
- LV cartridges for low-viscosity materials such as polyamide and polyurethane
- HFC cartridges for high-viscosity materials, especially for halogen-free, fire-resistant materials or highly filled PVC.



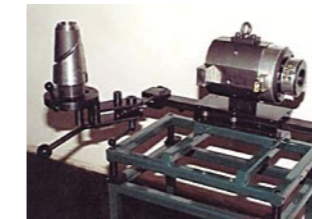
### TOOLS

UNITEK extrusion tools are made of state-of-the-art materials only and are famous for their extreme accuracy and durability. We offer a large variety of tool designs from standardized to fully customized tools in order to meet every extrusion requirement.

## Peripheral Equipment

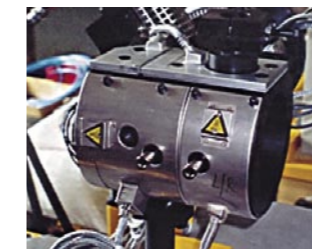
### Bypasses UBP

Automatic discharge valves with alternatively hydraulic, pneumatic or manual actuation. Installed as a separate unit between the extruder and the head they serve for the diversion of the melt stream and simultaneously for the pressure release inside the crosshead.



### Cartridge Extraction Device CED

The CED helps to simplify disassembly, cleaning and reinstallation of crossheads. This significantly reduces the time involved in these processes and adds considerable safety to both operators and equipment.



### HEAD CHANGING SYSTEMS

Designed for quick product change, based on the head changing principle as well as head-in-head designs - shortens the down-time and brings the line back in operation within a few minutes.



### AUTOMATIC COLOUR CHANGING SYSTEMS

Available for all kinds of products including extremely thin wall automotive wires allowing to change from one colour to another at full production speed within seconds without having to stop the extrusion line. Resulting in no down-time, minimized scrap and highly improved productivity. Depending on the product and the requirements, one can choose from about two dozen different systems. The right selection will mainly be subject to necessary adjustments such as basic colour, stripe colour, wall thickness and insulation material as well as the frequency of the colour changes. According combinations of two or up to five extruders are used together with one or both of our changing valve designs.



### SPECIAL PRODUCTS

**Uniclean** micropeen tool cleaning system provides a careful and quick cleaning of screws, crossheads and all other contaminated parts.



### SUPPORT TROLLEY/SUPERCARRIAGE

The UHT is a multi versatile piece of equipment used in many applications. For instance as base trolley for colour changing systems, head support for large heads or as base trolley for screen changer bypass combinations. The supercarriage is a combination of fixed rollers which serve for exact alignment and castor rollers for easy movement on factory floors.