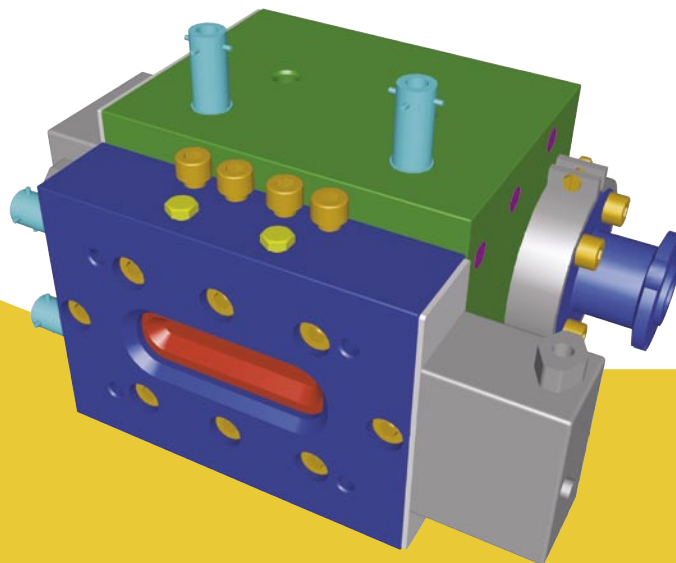


**UNITEK**



**Crossheads for Special Applications**  
**Querspritzköpfe für Sonderanwendungen**

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



# UNITEK

## Crossheads for Special Applications

### Heads with heart curve and hole distribution

Short and compact fixed centered designs using cartridges with heart curve and hole distributor for low output and low viscosity materials. System Standard - for single extrusion (**SL**). System Vario - for additional co-extrusion of skin (**SK**) or stripe (**ST**).

### Dual layer heads with intermediate tool System 2IT

These heads use an additional extrusion tool between standard type wire guide and die for a separated extrusion of two identical or two different materials in one head such as bedding plus sheathing compound. Heads are available for dual extrusion (**DL**) with fixed centered (**SC**) or manual adjustment (**MC**) as well as heads for additional co-extrusion of stripe (**S**) or skin (**DLV**).

### SZ crossheads

Extremely compact heads for SZ-stranding-tandem extrusion of flexible cores. Heads are available for single extrusion (**SL**) and dual layer extrusion (**DL**).

### DL-heads

These heads are designed for the co-extrusion of polymers with similar melt temperatures.

### Crossheads with thermal barrier

Are available for co-extrusion with melt temperature differences of up to 100°C (212°F).

### Liquid medium temperature controlled heads

Crossheads for rubber or cross-linked material extrusion. Furthermore Unitek offers a number of heads for special applications, e.g. for extreme thin wall single or multi-layer extrusion coating of pipes, heads for medical extrusion as well as the manufacturing of fuses.

## Querspritzköpfe für Sonderanwendungen

### Köpfe mit Herzkurven und Lochkranzverteilung

In kompakter, festzentrierter Ausführung mit einer Masseverteilung über eine Herzkurve mit anschließendem Lochkranz, für niedrige Ausstöße bzw. niedrigviskose Polymere. System Standard – für Einschichtextrusion (**SL**). System Vario – für sowohl Einschichtextrusion, als auch für zusätzliche Aufbringung eines Häutchens (**SK**) oder von Streifen (**ST**).

### Zweilagköpfe mit Zwischenwerkzeug System 2-IT

Mit einem zusätzlichen Werkzeug zwischen Standard-Drahtführung und Standard-Düse, für die getrennte Aufbringung zweier gleicher oder unterschiedlicher Materialien in einem Kopf, auch für Zwickelausspritzung mit gleichzeitiger Ummantelung. Es stehen Köpfe für Zweilagextrusion (**DL**) in festzentrierter (**SC**) oder manuell zentrierter (**MC**) Ausführung zur Verfügung. Sowie Köpfe für die zusätzliche Koextrusion von Streifen oder Häutchen (**DLV**).

### SZ Köpfe

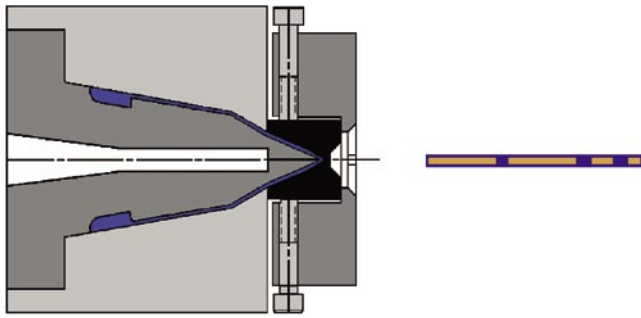
Extrem kompakte Querspritzköpfe für SZ-Verseilung-Tandem-Extrusion von flexiblen Leitern. Diese Köpfe sind für Einfachextrusion (**SL**) und Zweilagextrusion (**DL**) verfügbar.

### DL-Köpfe

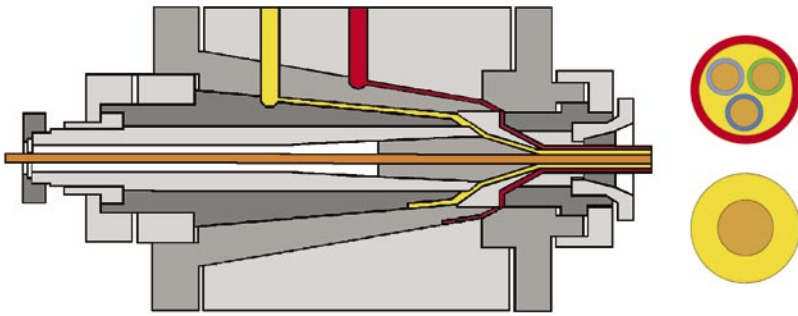
Sind für die Koextrusion von Materialien mit ähnlichem Schmelzpunkt einsetzbar.

### Querspritzköpfe mit thermischer Trennung

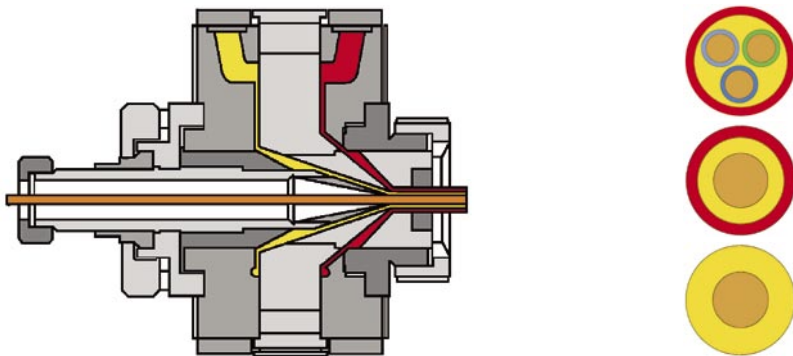
Wurden speziell für die getrennte Aufbringung zweier in der Schmelztemperatur stark differenzierender Materialien (bis zu 100°C) in einem Kopf entwickelt.



Type UFL



Type U14SC-2IT-0



Type SZ

Type	Core Leiter Ømax*	Outer Außen Ømax*	Extrusion			Extrusion		Centering Zentrierung	
			SL	SK	ST	DL	DLV	SC	MC
U14SC-2IT-0	12/0.472	14/0.551				•		•	
U14MC-2IT-0	12/0.472	14/0.551				•			•
U14SC-2IT-0-V	12/0.472	14/0.551					•	•	
USZ14MC	12/0.472	14/0.551	•						•
USZ14MC-2IT-0	12/0.472	14/0.551				•			•
UHX26MC-2-IT-0-Sil	7/0.275	14/0.551							•
U30SC-2IT-Skin	25/0.984	30/1.181				•		•	
USZ30MC-2IT-0	25/0.984	30/1.181				•			•
U30-50MSCC-2-0V	25/0.984	50/1.968					•	•	•
USZ50MC	45/1.771	50/1.968	•						•
USZ50MC-2-0	45/1.771	50/1.968				•			•

\* around mm/inch mm/inch

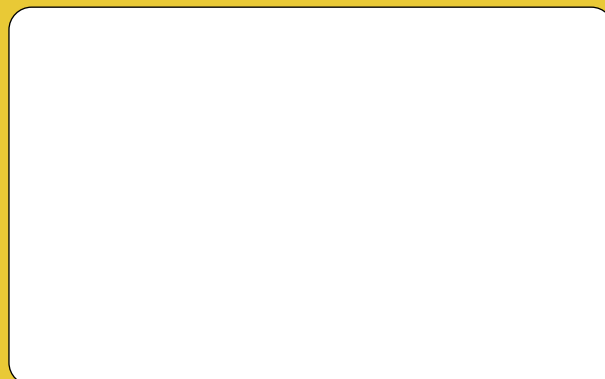


## THE COMPANY AT A GLANCE

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



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