

**Crossheads for Dual- and  
Multi-Layer Extrusion**  
**Querspritzköpfe für Zwei-  
und Mehrfachextrusion**

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## Crossheads for Dual- and Multi-Layer Extrusion

### Head Type

The number mentioned in the type specification identifies the size of the extrusion tooling. All dimensions must be seen as guide figures. For the selection of the most suitable head size the following parameters are decisive: product dimensions, required capacity and the selected material.

### Application

<b>DL</b>	dual layer extrusion
<b>DLV</b>	dual layer- plus co-extrusion of stripe/skin
<b>TLV</b>	triple layer- plus co-extrusion of stripe/skin

### Centering

<b>S</b>	fixed centered
<b>MS</b>	manually or fixed centered

### Head design

Depending on the application different designs of extruder arrangements and working directions are available.

<b>FW</b>	heads for colour changing systems
<b>MD</b>	heads available in different designs as per extruder arrangement and working direction.

### Distribution cartridges

All melt distributors are manufactured in free flow design with single or double distribution curves without holes or slots. For special materials additional cartridges are available.

In addition, our production range features a special cross-head type **UXH7SC-2-V** for datacom cables.

## Querspritzköpfe für Zwei- und Mehrlagenextrusion

### Kopftyp

Die angegebene Zahl in der Typenbezeichnung bezeichnet die Größe der eingesetzten Werkzeuge. Alle Angaben sind als Richtwerte anzusehen. Für die Auswahl der geeigneten Kopfgrößen sind neben den Produktabmessungen auch Durchsatz und Material, sowie Verfahren, maßgebend.

### Einsatzbereich

<b>DL</b>	Zweilagenextrusion
<b>DLV</b>	Zweilagen- und Koextrusion von Streifen/Häutchen
<b>TLV</b>	Dreilagen- und Koextrusion von Streifen/Häutchen

### Zentrierung

<b>S</b>	fest zentriert
<b>MS</b>	manuell oder fest zentriert

### Kopfdesign

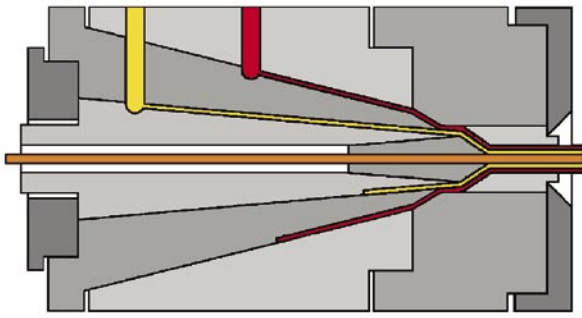
Je nach Einsatzzweck, Extruderanordnung und Arbeitsrichtung stehen unterschiedliche Modelle zur Auswahl.

<b>FW</b>	Köpfe für Farbwechselsysteme
<b>MD</b>	Köpfe in unterschiedlichen Modellen erhältlich, je nach Extruderanordnung und Arbeitsrichtung.

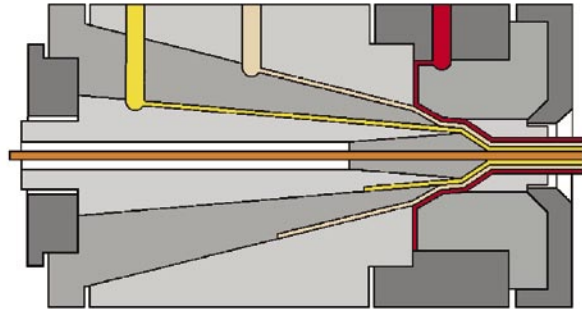
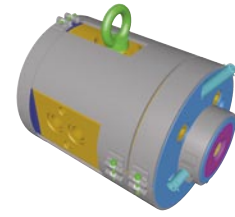
### Verteilpinolen

Alle Masseverteiler sind nach dem Prinzip der freien Masseverteilung mit einfacher oder doppelter Verteilkurve ohne Bohrungen oder Schlitzen ausgelegt. Für spezielle Materialien stehen Pinolen in Sonderausführung zur Verfügung.

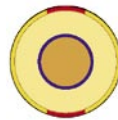
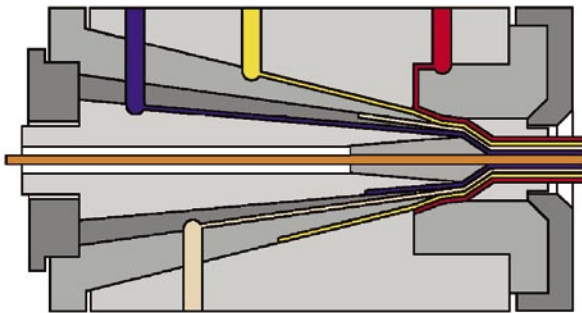
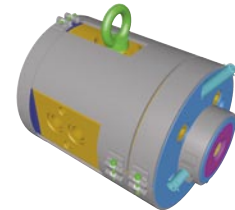
Zusätzlich steht ein spezieller Querspritzkopf Type **UXH7SC-2-V** für Datacomkabel zur Verfügung.



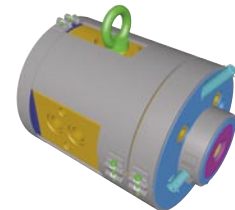
Type ...SC-2



Type ...SC-2-V



Type ...SCC-3-V



Type				Extrusion			Centering Zentrierung		Head Casing Kopfgehäuse	
	d1min*	d1max*	d2max*	DL	DLV	TLV	S	M	FW	MD
U7SC-2	0.25/0.009	5/0.196	7/0.275	●			●		●	
U7SC-2-V	0.25/0.009	5/0.196	7/0.275		●		●		●	
U7-SC-2-...-	0.25/0.009	5/0.196	7/0.275	●			●			●
U7SC-2-...-V-	0.25/0.009	5/0.196	7/0.275		●		●			●
U7SCC-3-V	0.25/0.009	5/0.196	7/0.275			●	●		●	
U14SC-2-0	0.5/0.019	12/0.472	14/0.551	●			●			●
UHX14SC-2-HFFR	0.5/0.019	12/0.472	14/0.551							
UXH14SC-2	0.5/0.019	12/0.472	14/0.551							
U14SC-2-0-V	0.5/0.019	12/0.472	14/0.551		●		●			●
UXH14SC-2	0.5/0.019	12/0.472	14/0.551							
U14MC-2-0	0.5/0.019	12/0.472	14/0.551	●				●		●
U30SC-2	3/0.118	25/0.984	30/1.181	●			●		●	
U30MC-2	3/0.118	25/0.984	30/1.181	●				●	●	
U30SC-2-V	3/0.118	25/0.984	30/1.181		●		●		●	
U30SC-2-...	3/0.118	25/0.984	30/1.181	●			●			●
U30MC-2-...	3/0.118	25/0.984	30/1.181	●				●		●
U30SC-2-...V	3/0.118	25/0.984	30/1.181		●		●			●
U30/50MCC-2-V	3/0.118	40/1.574	50/1.968		●		●	●	●	

\* around

mm/inch mm/inch mm/inch

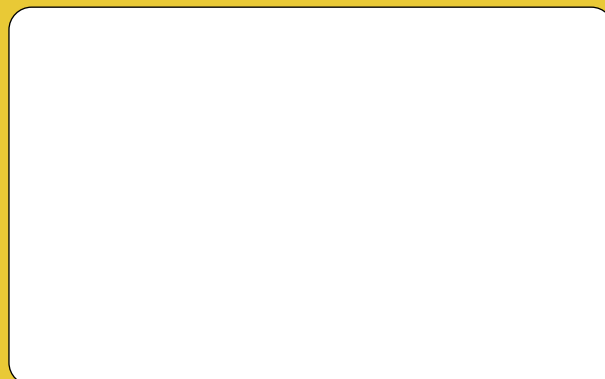


## THE COMPANY AT A GLANCE

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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