



UNITEK

Wires and cables are the arteries of today's world, transporting the lifeblood - energy and communication. For the manufacturing of these arteries UNITEK supplies the most modern and advanced equipment to companies all over the globe. UNITEK rigorously pursues a strategy of highest quality and precision coupled with continued in-house research and in co-operation with leading international institutes. The performance of the resulting products places UNITEK customers on the cutting edge of cable-making technology.

- **Extrusion crossheads** for single, double or triple layer extrusion as well as crossheads for coating immediately after SZ-strander and crossheads for flat cables
- **Extrusion crossheads** for high performance fluoro extrusion made from UNALLOY™
- **Tooling** for all applications made of either steel, hard metal, diamond, ceramic or UNALLOY™
- **Automatic bypass units for crossheads**
- **Automatic colour changing systems**
- **Cleaning systems**
- **Co-extruder**
- **Consulting and Engineering**

Unitek Maschinenbau- und Handelsges. mbH  
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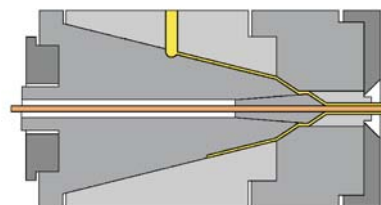
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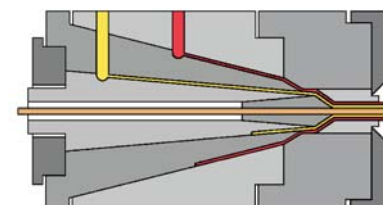
## CROSSHEADS & PERIPHERAL EQUIPMENT

### Standard Type Fixed Centre Crossheads

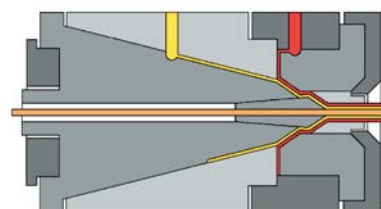
- Thermoplastic, electrically heated
- Elastomer and rubber, liquid thermoregulation
- Also available with micro adjustment or manual centering



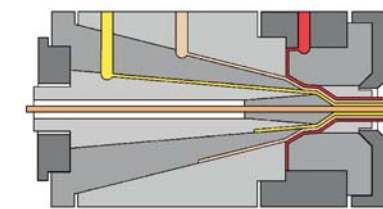
→ Single layer extrusion



→ Dual layer extrusion



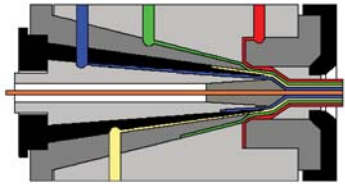
→ Co-extrusion of stripe or skin



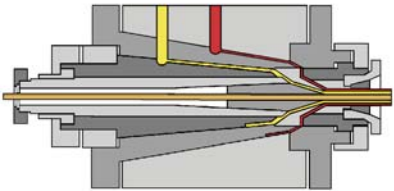
→ Dual layer extrusion with stripe or skin  
skin-foam-skin - PE and fluoropolymer

Crossheads Size		4	7	14	20	30	50	70	100	130
min. conductor Ø	mm	0.1	0.25	0.5	0.5	3	5	7	25	25
	inch	0.003	0.009	0.019	0.019	0.118	0.196	0.275	0.984	0.984
max. conductor Ø	mm	2,5	5	12	12	25	45	60	95	95
	inch	0.098	0.196	0.472	0.472	0.984	1.771	2.362	3.740	3.740
max. insulation Ø	mm	4	7	14	20	30	50	70	100	130
	inch	0.157	0.275	0.551	0.787	1.181	1.968	2.755	3.937	5.118

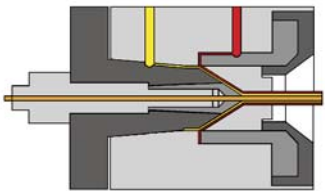
## Special Type Crossheads



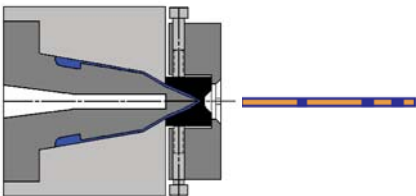
→ Triple layer (skin-foam-skin-stripe)



→ Dual extrusion with intermediate tool

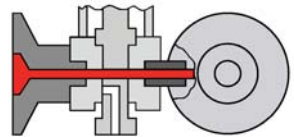


→ Fluoro polymer single and co-extrusion

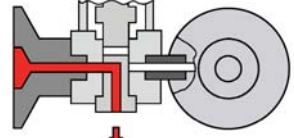


→ Flexible flat cable

## Bypass Systems UBP



working position



bleeding position

→ Hydraulic and manual

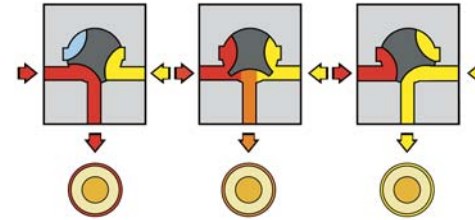
## Head Changing Systems PCD



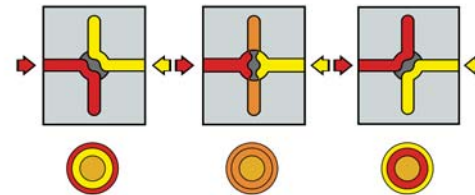
## Color Changing Systems UFW

### Changing Valve Systems

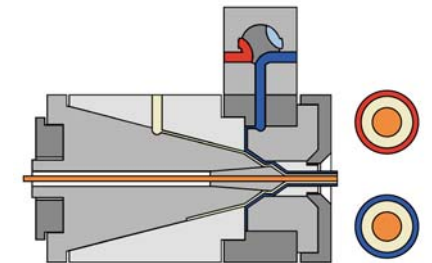
More than 15 versions of color changing systems are available for every specific application. They are all based on one or both of the valve principles shown.



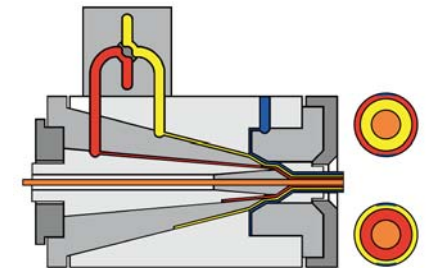
→ Valve System UCCS



→ Valve System ULCS



→ Type UFW 1



→ Type UFW 9

## Type UFW 22

