

E-XHEAD™
swiss made

PRECISION
EXTRUSION
TECHNOLOGY

E-XHEAD.COM

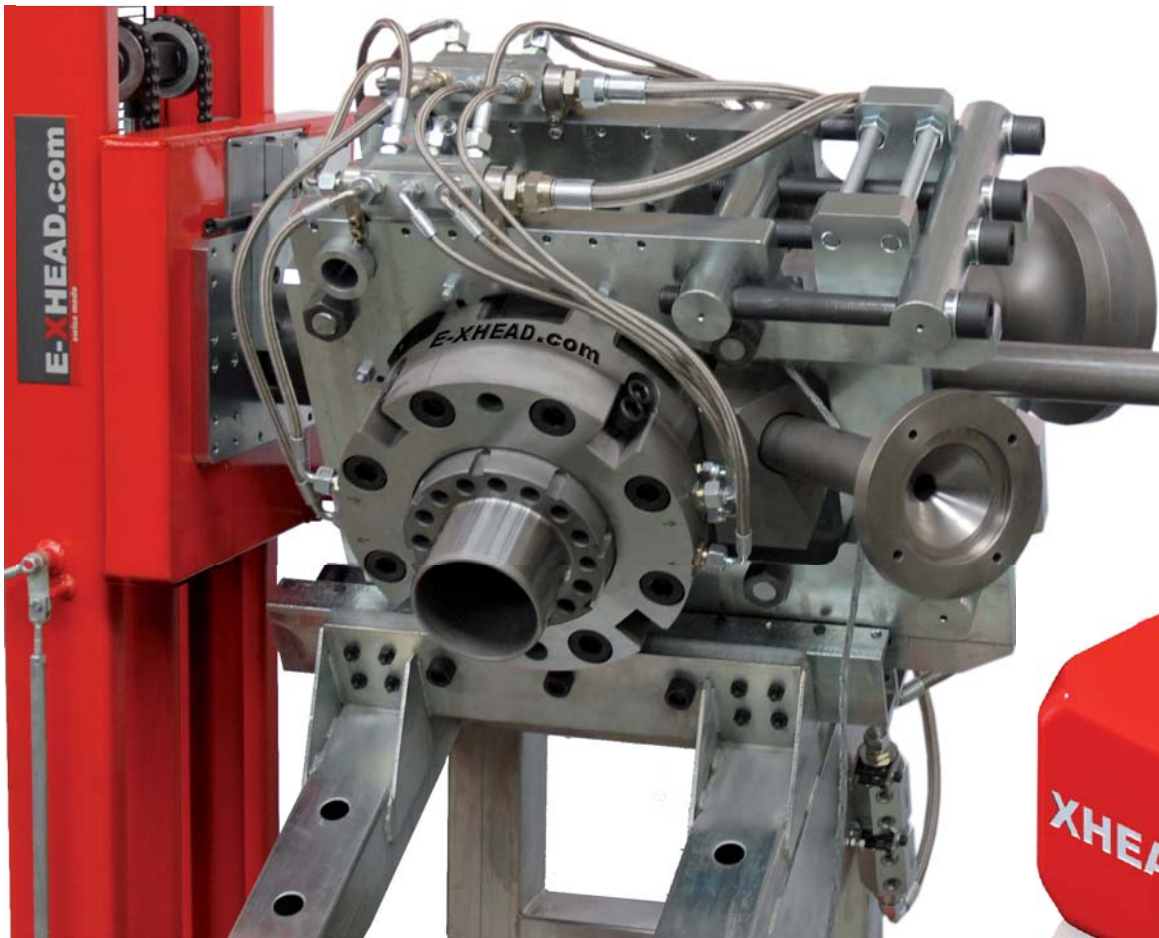
Technology to improve
your extrusion line
performance

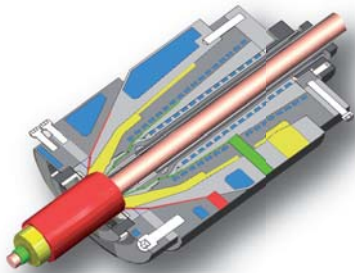
CROSSHEAD MODEL V

TRIPLE LAYERS CROSS HEAD

*FOR MEDIUM & HIGH VOLTAGE CABLES UP TO 500 KV
NEW DISTRIBUTOR TECHNOLOGY FOR UNIFORM INSULATION
HIGH PERFORMANCE TEMPERATURE CONTROL
FINE ADJUSTING OF THE THREE LAYERS
E-XHEAD R® SYSTEM RAPID HEAD CHANGING
EASY MAINTENANCE*

E-XHEAD PRECISION EXTRUSION CROSSHEADS FOR ALL EXTRUDERS





THREE LAYERS WITH
INDEPENDANT ADJUSTEMENT
OF EACH LAYERS
SEPARATELY

OIL / WATER
THERMOREGULATION OF ALL
DISTRIBUTOR FOR ACCURATE
TEMPERATURE FOR LONG
PERIOD OF OPERATIONS.

DISTRIBUTOR FLOW CHANNEL
DESIGN FOR XLPE TO AVOID
PREMATURE CURRING OR
WELD LINE.

SPECIAL TROLLEY FOR EASY
MAINTENANCE AND
CLEANING OF ALL
CROSSHEAD COMPONENTS.

E-XHEAD R® SYSTEM RAPID
HEAD CHANGING.

VERY SHORT TIME TO CLEAN
THE CROSSHEAD.

E-XHEAD® Triple Crosshead Model V

The Triple Crosshead V is used for the simultaneous extrusion of the inner semiconductor layer, the insulation layer and the outer semiconductor layer.

E-XHEAD® V produces single core cables in voltage from 6 kv to 500 kv. The V is used in catenary lines (CCV), long-die systems (MDCV) and vertical lines (VCV), as well as in silane and silicone systems.

Depending on scope of productions, it can be designed for XLPE or EPR compounds.

E-XHEAD® conical construction of the distributor flow paths. insure an absolute precision fit, as well as perfect sealing and easy assembly / disassembly.

Temperature control of the V is via pressurised water or oil. The six separate temperature control zones rapid liquid circulation circuit which guarantees ideal flow characteristics for the compound, in addition to rapid heating to operating temperature and exact temperature separation of the three melt flow. In addition the heat generated from the CV tube is well insulated.

The Crosshead distributor flow channels is calculated with special software. This insure the same average flow rates and layer thicknesses to be achieved at the die outlet. The flow paths are optimally matched in shape and depth to the viscosities of the insulation and semiconductor materials.

The very low wall thickness tolerances for the insulation and semiconductor layers results for the customer. Especially for sector conductors, special guide are fitted in the head, this allow perfect layer thickness tolerances.

E-XHEAD® V design enables tool changes within few minutes.

E-XHEAD® V Triple Crossheads design of tools as well as flow channels will not allow the melt to get premature cross-linking within the head. This contributes to uninterrupted, maximum production time.

After initial centering, the design of the E-XHEAD® V Triple Crosshead ensures that the outer and inner semiconductor will not need re-centering. Even if the dimensions of the cable have completely changed. The use of dial gauges allows absolute reproductibility of centerings reducing to minimum operating costs.

The V Crosshead is made with hardened high quality alloy steel to prevent any damage during cleaning operations.

The layout of the extruders can be from one or both sides, depending on customer requirements and availability of space for machines connections.

E-XHEAD® V supply as well service station external to the line for cleaning the V Crosshead. This can be also used to prepare a second Triple Crosshead.