

### Pintle payoff and take-up for E-Beam system

The company Irradose, Sweden, installed a new E-Beam system (from Co. Wasik, USA). They combined it with a modern, dancer-controlled payoff and take-up system from Company Spezialmaschinenbau Kurre.

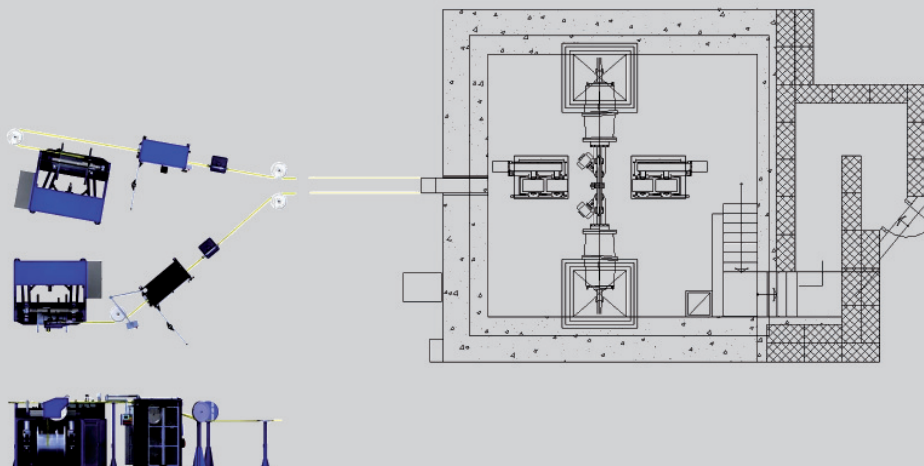
The company Irradose was founded in 2007 from Mr. Hans Forsgren. Irradose is specialised in crosslinking insulations of wires and cables. At site Tierp, Sweden they installed a new, state-of-the-art E-Beam system together with payoff and take-up components from company Kurre.

The President of Irradose, **Mr. Hans Forsgren reports:** „This installation is the first E-Beam system in Skandinavia. We wanted to have an installation with high quality components. At this we attached a great importance particularly on the **flexibility, technical reliability and user friendliness of the different systems.**“

#### Winders from company Kurre ideal for the use at E-Beam systems

According to Hans Forsgren particularly the following reasons were decisive to choose the winding system from Kurre:

- Quick spool types change by easy spool handling
- Large scope of products (diameter 1- 30 mm) and different tensions (8 – 80 N) by use of a double dancer
- Easy integration via Profibus-interface
- menu-driven handling via touch panel
- Spool clamping pressure adjustable for different type of spools
- Compact and space saving construction
- User friendly because of motor driven lifting, lowering and clamping of spools



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#### What is the effect of an E-Beam System?

High energy Electron beams are generated electrically in accelerators and their power can be regulated. Electron-beam cross-linking is an optically invisible, non-contact procedure in which highly accelerated electrons penetrate the insulation or sheath of cables. The results in the generation of radicals which link or cross links the polymer chains of the plastic three dimensionally with each other.

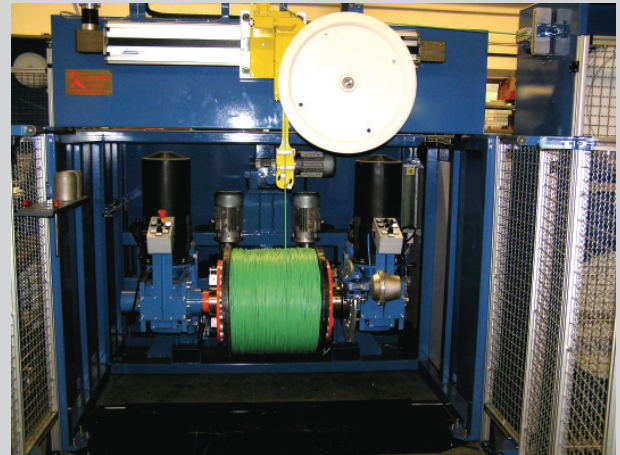
Cross-linked insulations of the cables and wires are more thermally resistant and therefore more dimensionally stable. The chemical resistance is also significantly improved.

#### Technical data:

Spool flange diameter:	600 - 1200 mm
Spool width:	450 - 980 mm
Spool core diameter:	250 - 675 mm
Spool weight:	max. 1000 kg
Spool spindle speed:	max. 650 rpm.
Product diameter:	1,0 - 30 mm
Traverse pitch:	max. 40 mm
Tension range:	
Little dancer:	8 - 80 N
Large dancer:	30 - 300 N
Tension setting:	EP-transducer



Pintle take-up AU-P-1250 with separate double dancer



Pintle payoff AB-P-1250 with innovative payout swing



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**For your special requirement, we would be pleased to work with you on customized concepts.**

**We deliver different types of payoffs and take-ups for flange diameters from 100 - 1600 mm!**