

OX-n Belt Care Equipment

Thejo Hatcon Industrial Services Co. Llc.

THISC is a joint venture between Thejo Engineering Ltd., India and HATCON, Bahrain.

HISTORY

THISC is a leading conveyor belt maintenance services provider to the industry in Saudi Arabia.

The company needed a belt winder in order to speed up the replacement of old belt from conveyor installations with new belting.

An equipment was required to be designed in order that it could be mobile, stored at their main work shop in Jubail and capable of transportation to various sites across the kingdom on short notice.

The equipment required to be operator friendly, maintenance free, as well as compact and of light weight to make it easily transportable.

Most importantly, a specialised quick anchoring facility for the equipment was required to be incorporated in the design, so that it could reduce the setup time at various sites.

Thejo's solution – Uniblock Belt Winding station

Thejo's design team initially collated the details of various conveyors across a representative sample size of the industry in the Kingdom and zeroed in on the most ideal size of the Winder to cater to the population. The belt winder equipment was designed within an uniblock platform, for a maximum pull capacity of 2.5 Ton.

The equipment was made portable and for quick anchoring, a ballast arrangement was provided.

For making the equipment operator friendly and compact, electrical drive with planetary gear reducer was selected.

Maximum Belt Width	1800mm
Belt Reeling capacity	300m
Belt Thicknesses	20mm
Maximum reel diameter	2.83m
Maximum line pull	2.5 Ton
Maximum weight of belt roll	9 Ton

The equipment was designed, manufactured and supplied in October 2015 and has been performing very satisfactorily until date.

