

# Process & Storage Carousels

Carousels are designed as the storage medium in the manufacture, transportation and installation of continuous lengths of flexible pipe, tube & hose umbilicals, power cables and other typical products.

The carousel comprises of a fabricated turntable located on a central king pin and mounted on tapered rollers. Drive power is supplied through electric or hydraulic systems and controlled by a local or remote PLC. Inner and outer walls provide a safe confined storage area for the product. Additional walls that act as storage partitions or minimum bend radius protection, can be incorporated at various diameters on the turntable.



1000Te Umbilical Carousel Installation - Texas USA

Along with the carousel and operating system AmClyde Norson Engineering can offer a full turnkey package of handling equipment that includes tensioners, winches, gantries, loading arms, rollers tables, compensation units, access stairways & ladders and special to type equipment to meet your or the products requirements.



1500Te Flexible Pipe Carousel – Newcastle, England

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## Main Features

Carousels designed for both land and marine applications.

PLC control enables the carousel to be speed matched with manufacturing, process or lay equipment.

Controls philosophy for manual, semi-automatic and automatic control.

Load Capacity up to 7000Te or higher.

Diameters from 10m to 40m or greater.

Speed control from 0 – 20m/min and faster as required.

Full synchronised emergency stop capability.

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Typical product gantry with support roller track and access stairway.



Carousel loading arm supported from a gantry tower. The arm is designed to protect the product minimum bend radius and can slew from outer to inner walls and articulate vertically to make loading and unloading 100% product friendly.



Tube umbilical being transferred from the manufacturing process into the storage carousel via the loading arm.



Fully loaded carousel showing additional wall diameter to suit product MBR.



7000Te ship board carousel – Pirelli

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## Contacts:

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