

OCS 30

OCS 30 overhead conveyor handles loads up to 30 kg/m line and offers flexible solutions for picking, storing and production at the same time as large and valuable floor space is made available. A complete solution - from loading of raw material, through picking and storing - all the way to outgoing delivery. In addition, the system provides many advantages by shortening throughput times and requiring less material in process.

With the OCS 30 overhead conveyor you will have an optimal solution for transportation and a more even flow, thanks to one of the most profitable and reliable overhead conveyor systems available in the market.

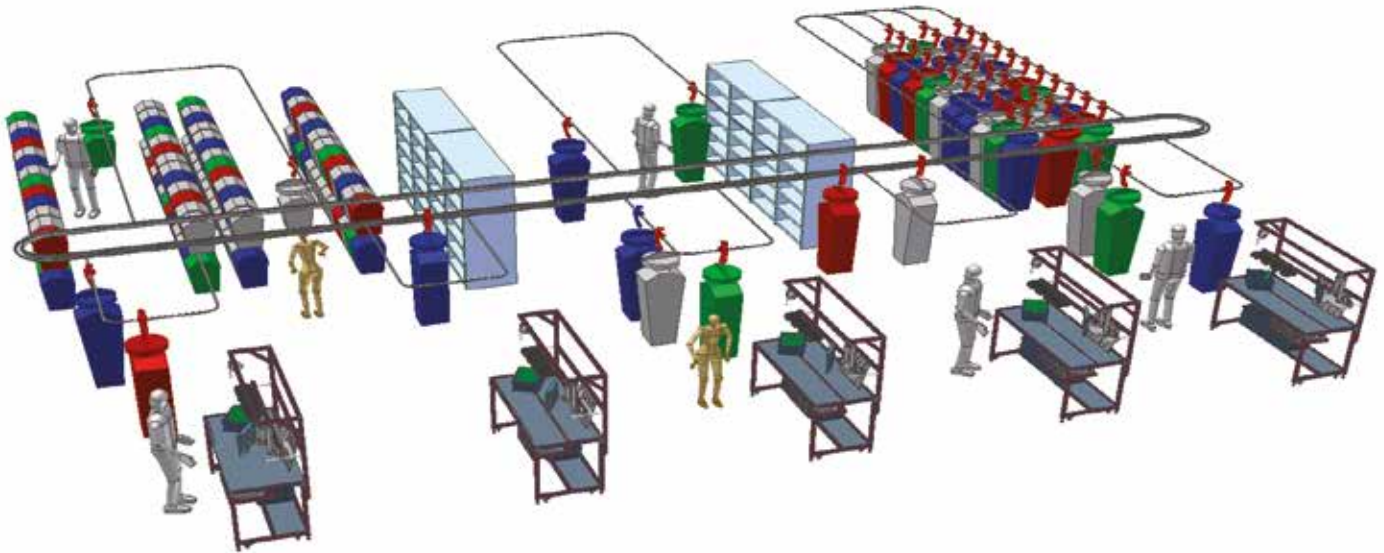
The simplicity and the reliability of the system and its unique possibilities for flexible changes make the system ideal for different types of order picking, storing, mounting and manufacturing. With the OCS 30 overhead conveyor system you build an effective and balanced production flow, which at the same time reduces your need for storage and decreases your locked-up capital.

The overhead transport trolleys are controlled by a PLC or a computer based system, which is linked to your existing production system. This provides a more effective production flow and reduces the amount of material in process.



Basic elements OCS 30

The system is based on a number of driven and/or manual sections. These are connected to switches, curves and buffer sections to achieve maximum flow of the production. This modular built up standard system is adapted depending on load weight and other parameters and it allows easy and rapid changes for the further development of the production process.



The conveyor line - is simple, reliable and almost silent. The drive mechanism consists of a rotating shaft that is powered by a worm gear motor. The travel speed may be varied from 1 to 30 m/min. It is possible to run sections of the conveyor at different speeds as well as backward and forward. Drives can be equipped with frequency converters giving very smooth start and stop movements in individual positions.

Manual lines – where trolleys are manually moved with minimum effort of work, both backward and forward.

The trolley - has four angled wheels that pressure on a rotating aluminum tube. In this way, the rotational power is transferred to the angled wheels and the trolley is moved forward by friction. By using single or double trolleys means that different configurations allow different loads.

The product carrier - needs and requirements are carefully analysed and a totally adapted product carrier is developed. Adjustable working height and rotation can be implemented if required.

Working stations - are designed for the work place and position of the operator. The placement of the trolley can be adapted for the best possible ergonomics which leads to a better working environment and increased productivity.

Curves and switches - There are driving curves from 5° to 180°. A flexible tube drives the trolley through the whole curve section maintaining complete control and smooth movement over the trolley. In order to direct the trolleys around the system there are different types of switches - 45° and 90° in both directions - right and left.

Power & Free - All production systems need buffer zones to make a total balance possible. OCS 30 overhead conveyor can hold trolleys in a buffer position on the driven line by use of the Power & Free principle as well as in special buffer sections, for example in front of a robot station, unloading and loading.

Vertical conveyors, incline/decline and telescope - are mostly the best solution when trolleys are to be vertically transported. OCS compact vertical conveyors both take minimum of space and can feed several floors. The system can also incline up to 30° depending on payload. In order to facilitate loading and unloading of goods there is a telescope which transports the goods all the way into the lorry. This arrangement makes handling rational and simple.

Operation control - A material handling system needs a complete and advanced control system that controls the production flow and buffering in the production. The trolleys have a bar-code or a RFID tag for identification and tracking.