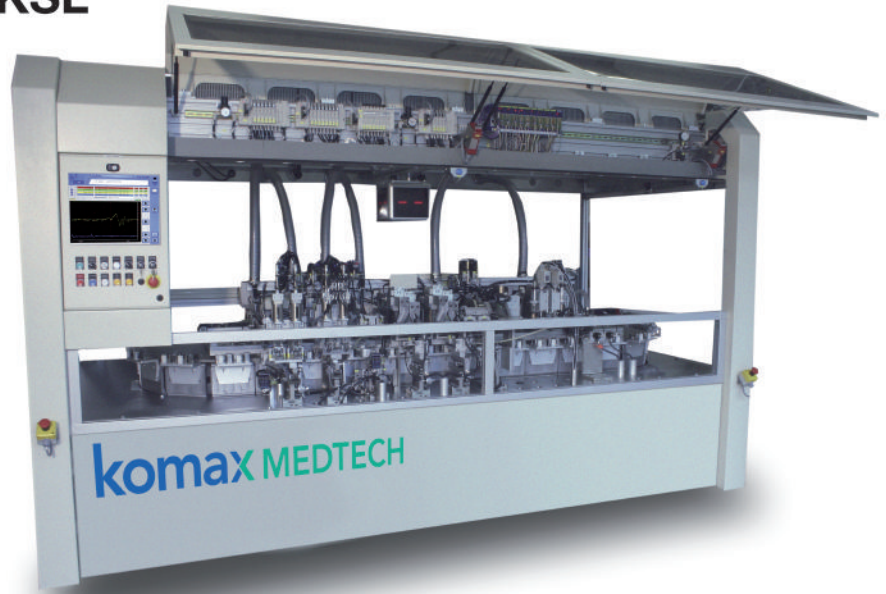


Komax Systems Linear Indexing Platform - the KSL

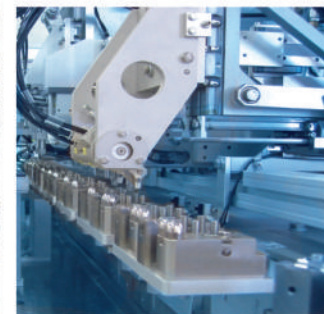
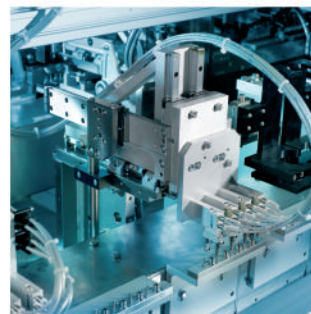
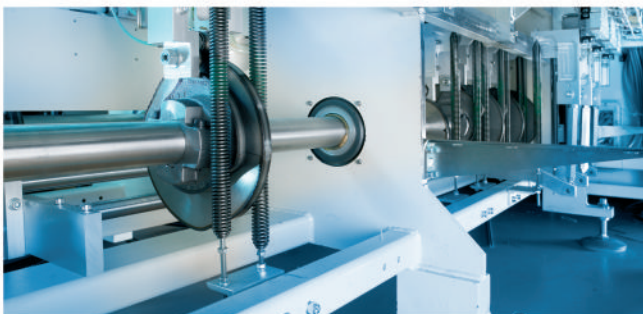
Komax Systems developed our linear chassis, the KSL, as a joint effort between our customers production department and our own engineering team. We started with the idea that the system should be robust, flexible, and make use of proven technology. The result is a system that is modular, easy to maintain, reconfigurable, and compatible with the needs of clean-room production. The KSL chassis has proven to provide superior results where it counts - efficiency and quality.



Technical Characteristics

Working Stations	• from 20 to 104
Index Speed	• to 75 cycles / min.
Chassis Size	• modular; 2, 3 or 4 modules of 1 meter each
Index Pitch	• 100, 200 or 400 mm
Repeatability	• < 50 microns x, y and z
Index to Process Ratios	• 90° / 360°; 110° / 360°; 120° / 360°
Fixture Access	• “3 sides open” design
Cleanroom Compatibility	• to class 10'000

Modular construction which allows tooling to be integrated on both sides of the chassis provide the KSL with increased output per square meter as well as improved production logistics. Based on meter long sections, the chassis can be constructed in a 2, 3 or 4 meter configuration with either 100, 200 or 400 mm index pitch. Fixtures benefit from a unique “3 sides open” design and are accurately positioned at all times via a cam based indexing system – eliminating the need for secondary positioning systems that take up space and use critical process time. Working stations can be installed either inside or outside the fixture path. Komax has an extensive range of standard units (for assembly or process operations) which can be mounted into prelocated interface points on the chassis. Fully synchronized cam drive and cycle rates to below 1 second make the KSL ideally suited for high output applications. The KSL is compatible with medical, FDA validated and clean room production environments.



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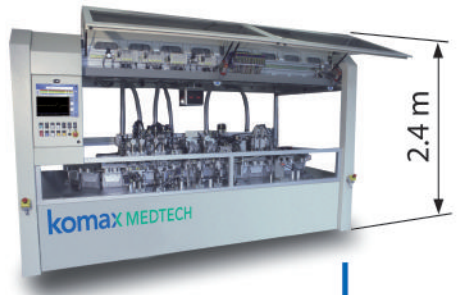
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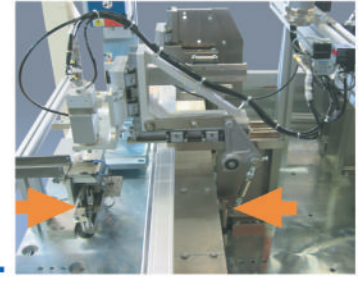
KSL Design Features

Guarding designed for height restricted clean room environments

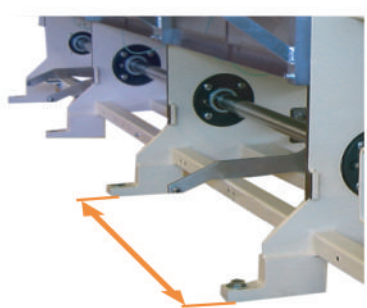
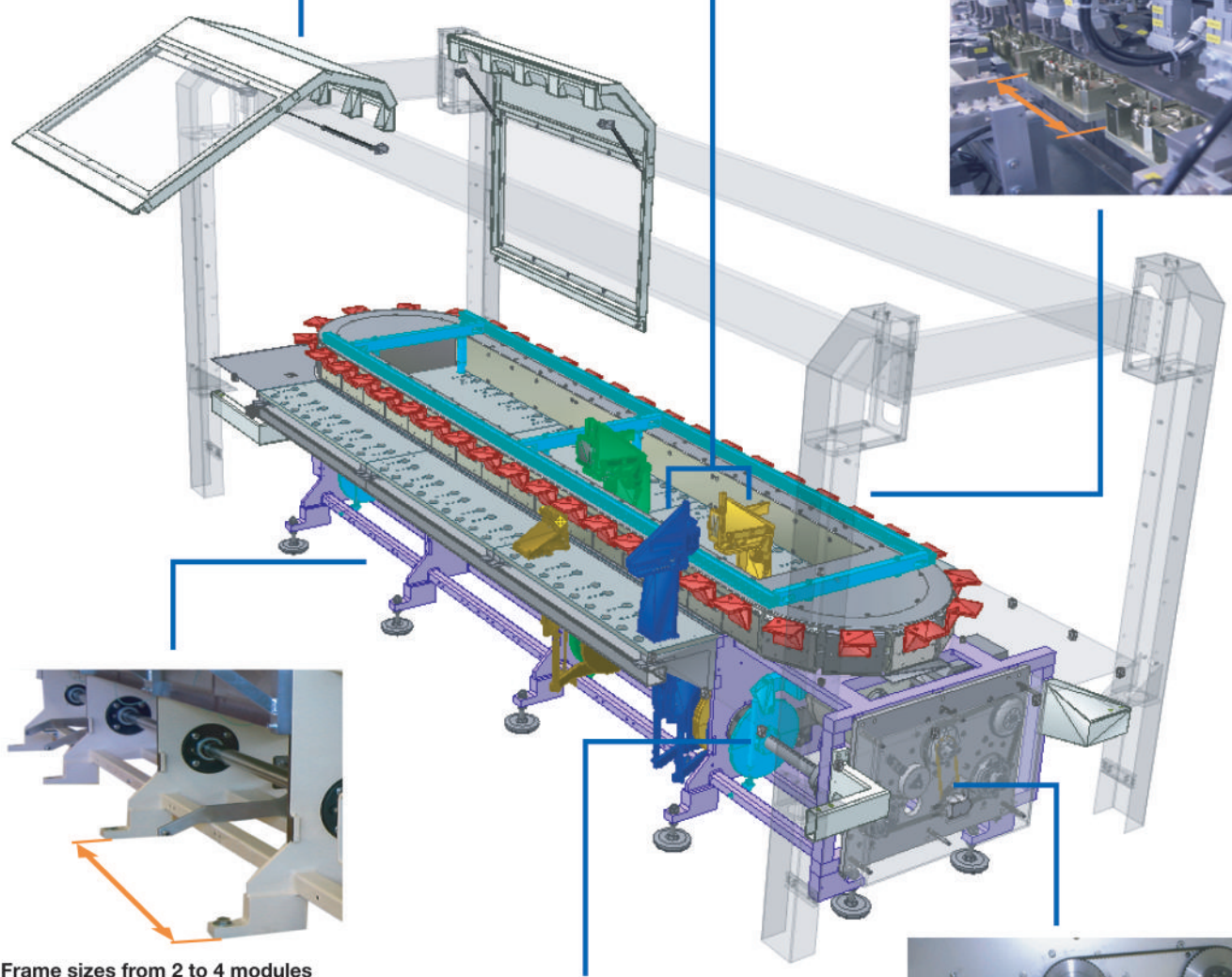
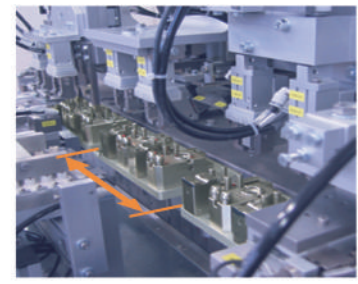


	A	B
Type 2 m	3'515 mm	1'610 mm
Type 3 m	4'515 mm	1'610 mm
Type 4 m	5'515 mm	1'610 mm

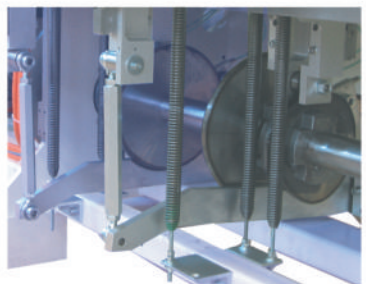
Tooling can be mounted either inside or outside the fixture path



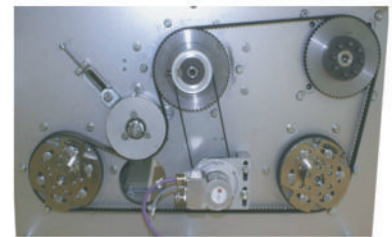
100, 200 or 400 mm index pitch providing design flexibility



Frame sizes from 2 to 4 modules allows for production flexibility



Split cams are easy to install and spring loaded for security



One motor drives all main systems, providing complete synchronisation