

IT, ITP & RIGP Series Indexing Tables

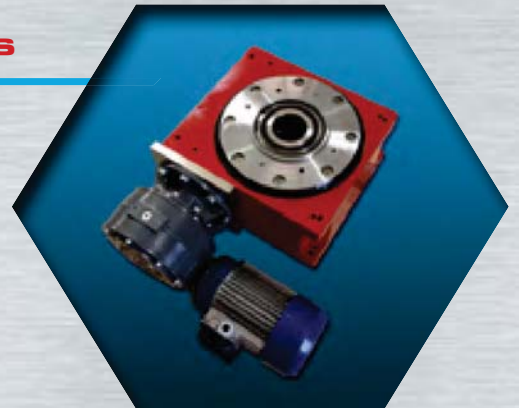


The IT series are customizable models for special design requirements and the ITP and RIGP Series indexing tables are “standard packages” available from stock for fast delivery requirements! These series of indexing tables provide smooth controlled motion in a compact low profile design. Combined with a precision cam design and the latest advances in cam follower technology, these models provide unmatched precision and load capacity. Whether you need a customized index table or one of our standard “off the shelf” packages, these cam indexing tables provide all of the accuracy and exceptional performance that CDS is known for.



TR, TRP, & TRW Series Positioning Tables

The TR, TRP, & TRW series are industrial rotary positioning tables designed for heavy duty applications. They can be configured for programmable positioning via servo input, or set to a fixed number of stations designed for repeatable indexing applications. These models feature an induction hardened precision barrel cam, “solid cam follower” technology and an oversized cross roller bearing support on the output turret for maximum rigidity and shock resistance. The TR models are fully customizable, TRP models are stock “packages” for faster delivery requirements and the TRW are standard configurations especially designed for demanding production environments.



Servo Rotary Table Series

The Servo Rotary Table series is designed to be freely programmable for flexible positioning via a servo input. The mounting adapter allows customers to use their preferred brand of servo for effortless compatibility. These rotary tables provide accurate positioning, are backlash free, and have an oversized center through hole for passage of wires, hoses and other utilities. The low profile and smooth housing surfaces are ideal for clean room environments. All models are o-ring sealed for leakproof operation in any work position and are lubed for life & maintenance free.

FT & FTP Series Ring Positioning Drives

The FT & FTP series are open center ring style indexing & positioning drives designed for industrial applications. They can be provided with a flexible number of stations designed for servo programmable positioning or a fixed number of stations designed for accurate and repeatable indexing applications. The FT & FTP series ring tables are dimensionally low profile and the center hole allows for equipment to be placed directly in the center.



TL, TSL, & TXL Series Precision Link Transfer



The TL, TSL, & TXL Series Precision Link Transfer Systems provide the industry's highest accuracy and repeatability for automated assembly and manufacturing machinery platforms. They provide high speed and maximum precision for linear indexing and transfer processes.

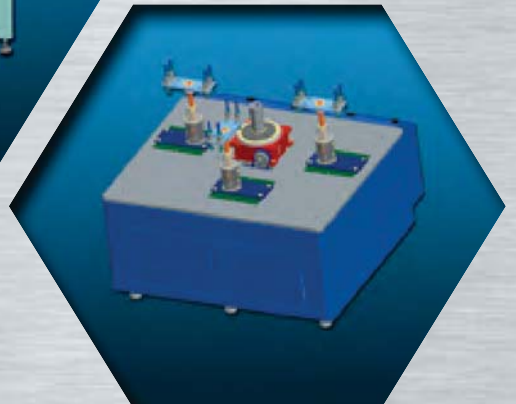
The modular design and wide range of link sizes provide the versatility needed to meet any challenging automation process.

CDS can provide fully customized models with special features to meet your specific machine requirements. Clean room certified for medical and pharma applications.



Synchronous Motion Chassis Systems

CDS offers a unique technical resource for assisting automation and assembly machine builders who have a need for synchronized mechanical motion. We work with the machine builder to determine the optimal machine design and station layout based on your requirements, we provide full engineering support and develop a complete timing chart and acceptance model drawing. All of our chassis systems are designed so that each individual drive, such as rotary tables, pick and place, oscillators, or other devices can be coupled to a common line shaft. This provides guaranteed synchronized motion of all drives for unmatched precision and dependable performance in the field.



MHP & LHP Series Part Handlers



The MHP & LHP series of part handlers/pick and place combine both a rotary and vertical motion for precision part handling processes. A precision machined globoidal cam provides the rotary motion component, while a paradromic cam provides the synchronized lift motion.

The internal cam mechanism runs in a synthetic oil bath and is contained in a fully o-ring sealed housing for leak proof performance in any mounting position. The solid cam follower technology provides for higher accuracy, faster speeds and years of reliable performance.



Elite Series Part Elevators

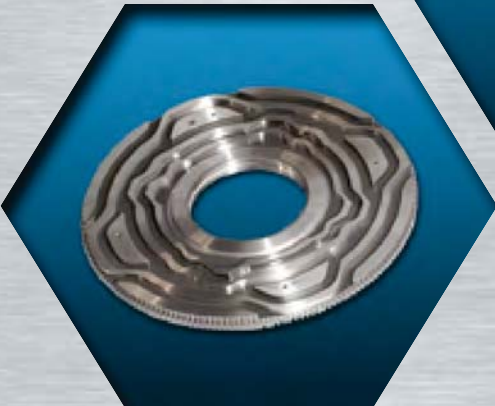
The Elite Series Part Elevators have been designed to improve the pre-feed flow of individual component parts presented for assembly and installation on automated machinery. CDS EL Series Part Pre-Feed Elevators are available in several model sizes and provide controlled flow for optimal machine performance. They are designed to handle a wide variety of part sizes and shapes. Rounded hopper bowls and corners eliminate sharp edges and comply with industry requirements for operator's safety during loading operations. The all stainless steel construction lends itself to many parts and factory environments including class 10,000 clean rooms.



Oscillators, Reciprocators, Cams & Special mechanisms



CDS designs and manufactures a wide range of individual drives and mechanisms ideally suited for special motions where indexing, oscillating, reciprocating and other unique motion profiles are required. These series of drives are ideal for any industrial application that requires automated transfer motions which are precise and repetitive. We also specialize in cams and cam mechanisms which can deliver powerful strokes, torques and high speeds for mechanical automation machinery where intermittent movements and high performance are a must. Special cams and cam mechanisms in styles such as Paradromic, Barrel, Globoidal, Sphero-conical and many others can be produced according to customers' specifications or our expert engineering staff can provide assistance in application engineering, design & development.





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CDS – Cam Driven Systems is backed by over sixty years of engineering and manufacturing leadership and offers the most diverse range of products in the industry.

Our continual investments in new technologies ensure that we will continue to deliver the precision and reliability needed to drive today's most advanced manufacturing systems.