



## GATE TECHNOLOGIES, INC.

(Formerly CDS Corp.)

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### About CDS...

Established in 1953, CDS has been the leading designer and manufacturer of precision motion control components and systems for automated manufacturing machinery. CDS produces the widest range of mechanical cam driven products for precision motion control applications requiring rotary or linear transfer, positioning and handling. Our product line includes: cam indexing & servo-driven tables, ring positioning drives, intermittent & oscillating drives with parallel or right angle configuration, rotary & linear part handlers, precision link transfer systems, and epicycloidal servo reducers.

### Why CDS is better than the rest...

50+ model sizes of indexing & oscillating cam drives available which are comprised of three different series of cam families—paradromic, barrel and globoidal cams

Standard index table packages for fast delivery requirements (TRP/TRW, ITP, RIGP, FTP/HTR)

Flexible positioning via servo motor OR fixed station positions for indexing motion

High accuracy, repeatability and reliability

LUBED for LIFE – zero downtime for routine maintenance

Solid cam follower technology for faster cycle rates, higher shock resistance to machine jams or E-stops and longer B10 performance life than traditional needle bearing cam followers

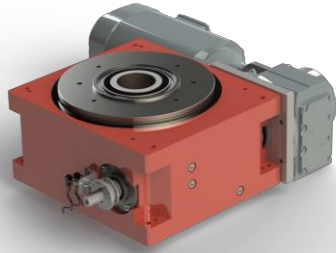
Induction hardened cam profile for greater torque capacity

High rigidity provides quiet & vibration free performance

O-ring sealed for leak proof operation in any work position

Rigid cast iron housings

## ROTARY INDEXING AND FLEXIBLE POSITIONING



### TRP & TRW SERIES – STOCK PACKAGES

The TRP & TRW series feature a barrel cam drive with cross roller bearings for heavier loads and are ideal for heavy duty applications.

The TRW series, equipped with SEW motors, are designed for extra heavy duty applications, particularly in automotive manufacturing.



### ITP & RIGP SERIES – STOCK PACKAGES

The ITP series features a barrel cam set that lends itself to rotary output motions requiring high torque and precise positioning and is designed for light to medium duty applications.

The RIGP series utilizes a roller gear mechanism for high speed and zero backlash performance.





### FT/HT SERIES – RING TABLES

The FT & HT series feature a low profile and have large, open center through hole to allow for equipment to be placed directly in the center for an inside to outside mounting arrangement. High rigidity provides quiet & vibration free performance. Ideal for robotic work cells, positioning turntables, rotary dial positioning, molding, stamping, etc.

Available in either flexible positioning or fixed indexing.

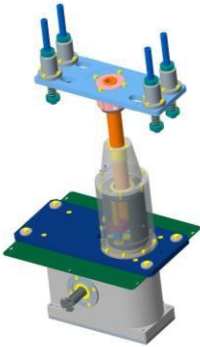
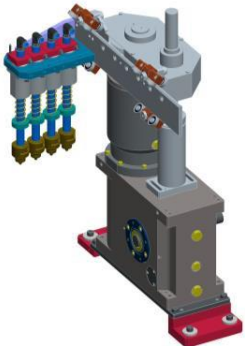
## INDEXING, OSCILLATING & RECIPROCATING

		<p><b>IP &amp; IG/IGA SERIES</b></p> <p>IP Series design provides a parallel shaft input to output arrangement. The parabolic cam set lends itself to applications which require high torque, high speed indexing or oscillating motions.</p> <p>IG/IGA series feature an induction hardened precision globoidal cam set and solid cam follower technology. This arrangement provides a right angle input/output arrangement. IG provides a flange style output and IGA provides a shaft output.</p>
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## PRECISION LINK CONVEYORS

		<p><b>TL, TSL &amp; TXL SERIES PRECISION LINK TRANSFER SYSTEM</b></p> <p>Our Precision Link Transfer Systems offer the industry's highest accuracy and repeatability for automated assembly and manufacturing machinery platforms. They have a modular design for flexible platform configurations, and are offered in carousel or over-under configuration.</p> <p>Both servo driven and fixed indexing are available to meet our customers' specific needs.</p>
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## PART HANDLERS

		<p><b>MHP &amp; LHP SERIES</b></p> <p>Our part handlers are designed for smooth pick &amp; place motions. With speeds of up to 90 cycles per minute depending on application, they provide smooth, repeatable motions which are vibration and backlash free.</p> <p>They feature solid cam follower technology &amp; induction hardened cam profile for long life and are available in Medi-Cam series for clean room compatibility.</p>
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