

CarbonDialTable

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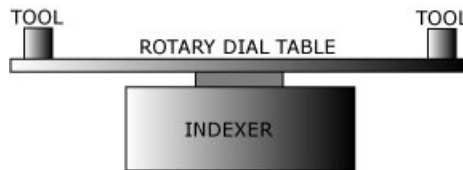
ROTARY DIAL INDEXING Table

Rotary Dial Table
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The Rotary Dial Indexing Table is usually (but not exclusively) a circular plate manufactured from Aluminum, Steel, Stainless Steel and

in some cases a thermoplastic such as high density polyethylene or polyurethane. Rotary Dial Indexing Tables are used on Automated Assembly Machines in the repetitive component assembly process.

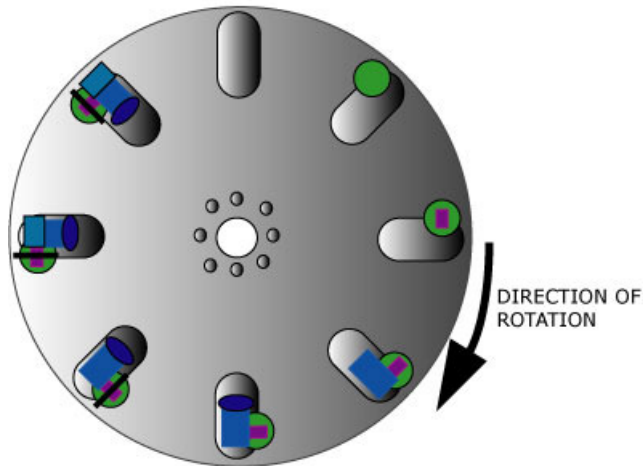
The Rotary Dial Indexing Table is an integral part of Automated assembly machines indexing operation which comprises of an indexer, rotary dial table and tooling.



The indexer provides the mechanical intermittent motion. The Dial table provides the rotating platform on which tooling is attached close to the dial periphery. The tooling provides the necessary support and positioning for part assembly.



Finished Assembled Part



EIGHT STATION ROTARY DIAL TABLE

The rotary dial indexing process is all about speed, positioning, accuracy, and durability to perform millions of continuous repetitive operations over many years.

The primary goal of the dial indexing process is to produce as many parts as possible in the least amount of time without compromising positioning, accuracy and durability.

While traditional materials such as Aluminum, Steel and Stainless Steel have served the Automated Assembly rotary indexing industry well over many years, they have a **performance ceiling**.

The **performance ceiling** is a result of Inertia due to the weight of the Rotary Dial Table and Tooling materials. Inertia and subsequent torque required to start and stop the intermittent rotational motion of the dial table limits the performance (speed) of the indexer.

ACI has engineered a product which provides a quantum reduction in the weight of a Rotary Dial Indexing Table by re-designing the table from a Carbon Fiber Composite Disc material.

The product is the Carbon Dial Table



 **Evolution
of Rotary Dial
Revolution**

CARBON DIAL TABLE

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