## CRT-12-5 Compliant Reciprocating Tool



**CRT-12-5** Compliant Reciprocating Tool

## **Product Description**

ATI Industrial Automation's CRT-12-5 Compliant Reciprocating Tool, patent pending, enables a wide range of robotic material removal operations. With a robust reciprocating drive, the CRT-12-5 produces a filing motion that is uniquely compatible for precise tasks like deburring edges and removing flash from cast metal parts. The Compliant Reciprocating Tool achieves a consistent finish along deep grooves and around corners with minimal chatter. This makes it a great replacement for manual filing operations which often require long hours of repetitive work that puts employees at risk of injury. The CRT-12-5 features built-in compliance, making programming easier, ensuring consistent results. The cutting force is adjustable on-the-fly so users can fine-tune the process to achieve their ideal finish and adjust for multiple features of a part. The Compliant Reciprocating Tool utilizes widely-available industrial finishing media and can be deployed in a variety of ways. This user-friendly tool is a robust yet flexible alternative to filing by hand.

## **Product Features**

Reciprocating motion enables filing operations.

**Engineered for precision material removal** tasks such as finishing and edge deburring.

**Built-in adjustable compliance** streamlines robot programming.

**On-demand adjustable cutting force** allows multiple techniques to be applied with one tool.

Faster and more precise than manual methods. Compatible with industry-standard filing media.

Specifications	Values
Weight	6.8 lb (3.1 kg)
Compliance Travel	0.32 in (8.1 mm)
Compliance Force	4-14 lbf (18-62 N)
Speed	12,000 spm (strokes per minute)
Stroke	0.2 in (5 mm)
Chuck	5 mm
Air Consumption (stall)	6 cfm (2.8 L/s)

ATI reserves the right to change these specifications.

For more information, visit www.ati-ia.com/CRT.

