

Inside the Pulse Tools

An Overview of the Three Series of Paladin Pulse Tools

HOW DOES A PULSE TOOL WORK?

A pulse tool combines the speed of an impact with the repeatability of a shut-off nutrunner.

- A sealed chamber is filled with hydraulic fluid
- As the chamber rotates after seating, the hydraulic pressure generated produces torque to tighten the fastener
- The fluid also absorbs the torque reaction, noise and vibration for increased ergonomics



WHY SO MANY TYPES OF PULSE TOOLS?

Since your applications are as varied as the industries we serve, GAS offers several series of tools to provide the best match for your application and priorities.

Whether your prime concern is productivity, ergonomics, reliability, or quality, we have the product and expertise to select the right equipment for the right job. Let us help you today!

MODEL DESIGNATIONS:

- T** - Auto shut-off model
- D** - 1/4" hex drive model
- S** - Inline model
- P** - Push to start model
- C** - Angle head model

URYU UL AND ULT SERIES



Uryu's latest generation of pulse tools incorporates significant improvements to provide the lightest pulse tool on the market today. Rollers in the driving blade and an accumulator chamber keep fluid temperature lower for longer life and better repeatability.

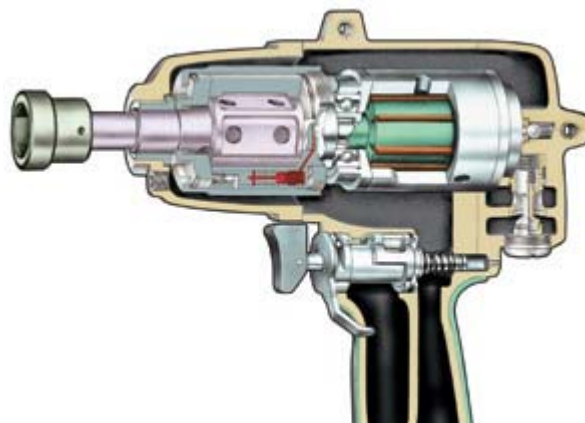
UL models are non shut-off operation for lightest weight, while ULT models have an automatic shut-off function for reduced operator influence. Both UL and ULT models provide similar repeatability when used properly.

- 43 models from 4 - 100 Nm
- More models available soon
- Available in air, electric, and cordless models
- Available in standard, tightening monitored, and controlled models

ALPHA AND ALPHA-T SERIES

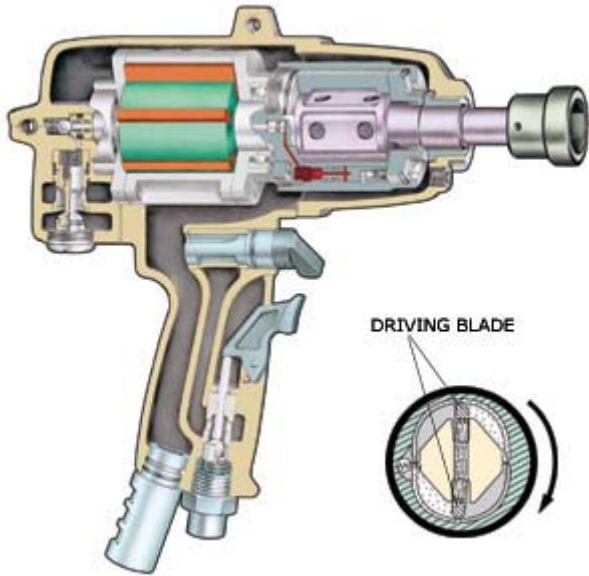
Although the Alpha tool launched the twin chamber motor, it is still unique today. Most manufacturers only include 6 blades in their dual chamber motors, while the Alpha tools utilize 9 blades.

With a full three blades fully extended at all times, the powerful Alpha motor reduced cycle times under load. In addition, the low inertial Alpha series motor minimizes the potential torque spike on harder joints.



Like the UL/ULT Series, Alpha non shut-off models offer lighter weight and the Alpha-T shut-off models minimize operator influence.

U SERIES



The original U-Series pioneered the assembly market as the first commercially available pulse tool. Designed for different fasteners sizes, the U-Series range consists of U-models, UX-models, and UXR-models.

The UX-T and UXR-T models provide the automatic shut-off function.

- 126 models from 4 - 850 Nm
- Available in air and cordless models
- Available in standard, tightening monitored, and controlled models