

URYU

POWER TOOLS GENERAL CATALOG



UAT SERIES [SHUT OFF TYPE]

UAT series with high fastening accuracy are at the top in Pneumatic Tools. Oil-Pulse Wrench with 3 advantages ; High Efficiency, High Accuracy and High Durability.

FEATURES

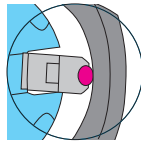
Reliable Torque Accuracy and Assured Shut-Off

- 1 Check Valve (PAT.) senses with accuracy the small volume of high-pressure oil from the Relief Valve section during operation and shuts the tool off as soon as it has reached the target torque. Torque accuracy improved significantly.
- 2 Reset Spring (PAT.) enables to shut off the tool accurately even when the air pressure is lowered to 0.35MPa. (Low Air Pressure Type)

Improvement in Energy Efficiency and Maintenance Cost Reduction

3 Cross Section of Roller Blade

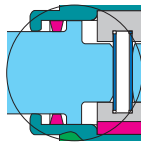
As a measure of pulsing, Roller Blades (*2) (Driving Blade with Roller Pin) are adopted. They greatly reduce the friction inside the pulse unit during operation and power weight ratio has been improved by 50% or more (*3). Compared with our conventional oil-pulse tools, Roller Blades create less frictional wear of Driving Blade, which will reduce maintenance costs.



(*2) Roller Blades are adopted to UAT, ULT and UXR series.
(*3) Average value compared with our conventional oil-pulse tools.

4 Cross Section of Sealing

As a measure of sealing, a partition on the anvil and SU-Ring are adopted. The most significant problem of pulse unit is oil sealing because pulsing is repeated dozens of times per second with high pressure. Our study which is gathered over the years helped us to develop URYU's original unique sealing SU-Ring (PAT.). As a result, it extends the maintenance interval by 60% or more (*1).



(*1) Compared with our recommended maintenance interval for the conventional oil-pulse tools.

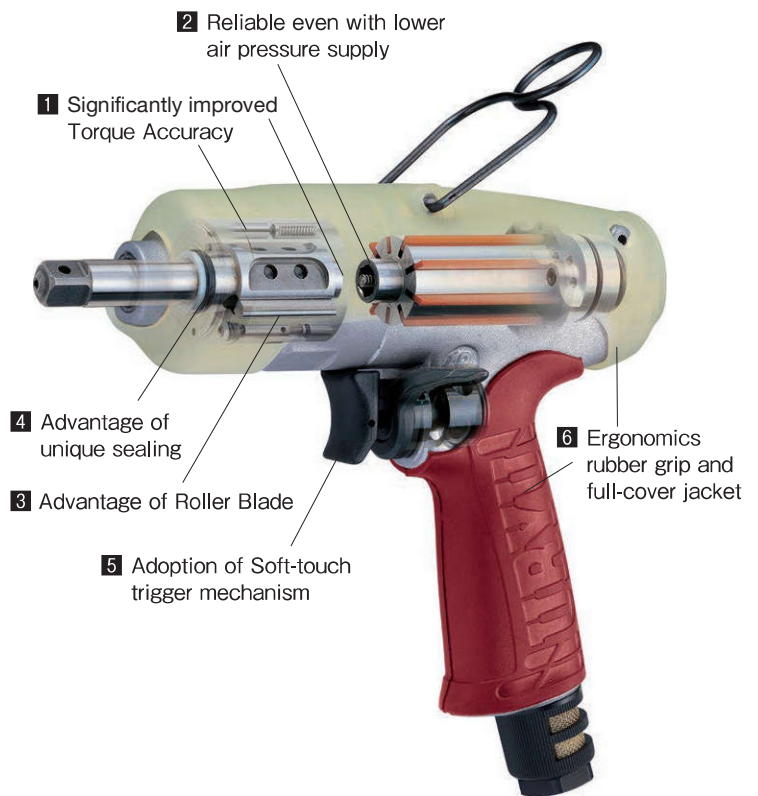
Significant Load Reduction for Operators

- 5 Soft-touch trigger mechanism (PAT.) which can reduce the load for trigger (valve lever) and the compact handgrip greatly reduce the burden for operator's arms, hands and fingers during repeated fastening.



In Consideration of Environment Aspect

- 6 Taking the environment into consideration, the tool's body is unpainted. Body Jacket (*) and Handle Cover are supplied as standard equipment to protect the work.
*Body Jacket is made of oil-proof rubber.



TM type (Fastening Check)
With UTM-1500 Fastening Counter with Poka-Yoke (sold separately), fastening number and time control can be monitored.



UAT40S



UAT70S

To use our product properly

UAT series automatically shut off by detecting inner pressure which is proportionate to fastening torque. The inner pressure is decided by the inertia of rotating section (motor, pulse unit and socket) and working condition. Small models are especially affected by the inner pressure. Please pay careful attention to the selection of model, socket size and air pressure using. Please contact your nearest URYU distributor if it is difficult to determine the usage condition.

