STANLEY®
Engineered Fastening



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Assembly Technologies

Semi-Automated Rivet Fastening (SARF)

Portable solution for high-volume blind riveting applications

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Semi-Automated Rivet Fastening (SARF) is pneumatic and portable auto-feed solution for POP®/Avdel® rivets - designed to dramatically improve productivity in high-speed, high-volume blind riveting applications. Rivets are automatically delivered and loaded into the tool - on demand.

Rivet Counting & Poka-Yoke: Built-in safeguards to support error-proof assembly line operations.

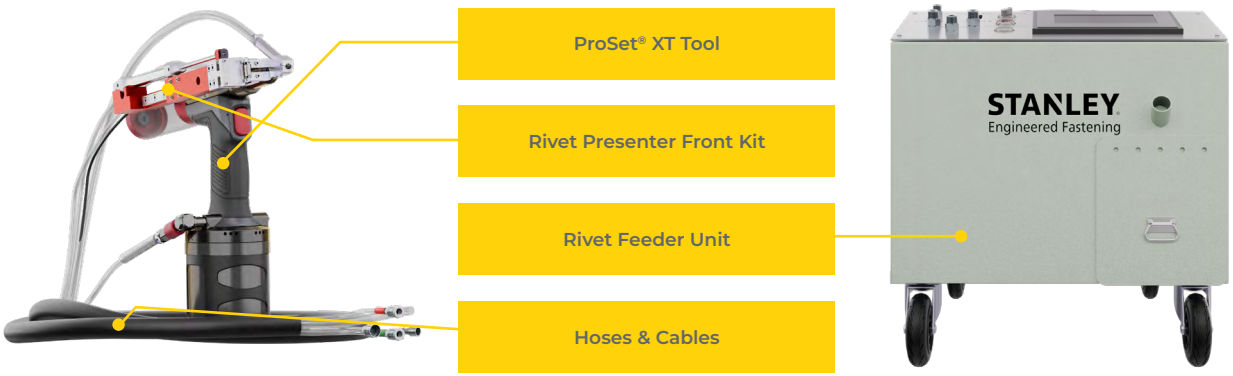
Features

Speed And Efficiency:
- Auto-feed delivers up to 60 rivets/min
- Eliminates manual feeding - boosts throughput

High Capacity:
- Large rivet storage minimizes refill interruptions
- Keeps production lines running smoothly

Precision Placement:
- Seamless integration with SEF hand tools
- Ensures accurate rivet positioning and alignment
- Reduces rework due to misalignment

Rivet Size	**2.4 to 6.4 mm**
Operating Voltage	**Single phase, AC 100-240V, 50/60Hz**
Pneumatic System Pressure	**4 - 6 bar**
Rated Power	**100W**
Rivet Feeding Speed	**60 pcs/minute (with standard cable/hose package length of 2 meter)**
Feeder Unit Dimensions	**490*360*370 mm (L*W*H)**
Weight	**40 kg (Feeder) 0.8 kg (Front end kit) + XT tool**



Benefits

Operator Productivity:
- Up to 50% cycle time reduction 2X output per operator

Accessibility:
- One-handed operation allows other hand to grip/hold the component

Reduced Complexity:
- Single-button trigger feeds and fires rivet
- Minimizes operator training and complexity

Consistent Performance:
- Pneumatic clamp holds rivet steady - any angle
- No need to reorient tool

Integrated Air Supply:
- One connection feeds both tool and feeder

Typical Applications

Automotive:
- Sub-assemblies, seating, BIW, battery packs, other assembly line operations

Electrical & Electronics:
- Electric panels, server enclosures, home appliances

Heavy Equipment:
- Ground transportation elevators, construction, HVAC, sheet metal fabrications

Best Suited For:
- Repetitive, high-volume riveting tasks

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