

Automatic Drilling Unit

1 STEP OPERATION - DRILLING – REAMING - COUNTERSINKING



Part of Desoutter product portfolio, **Seti-Tec line** offers best-in class performance, quality and reliability for the most demanding drilling applications worldwide.

Seti-Tec solutions have already been adopted by all major Aircraft manufacturers worldwide

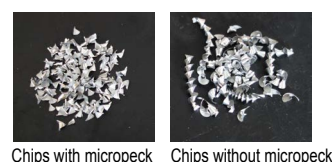
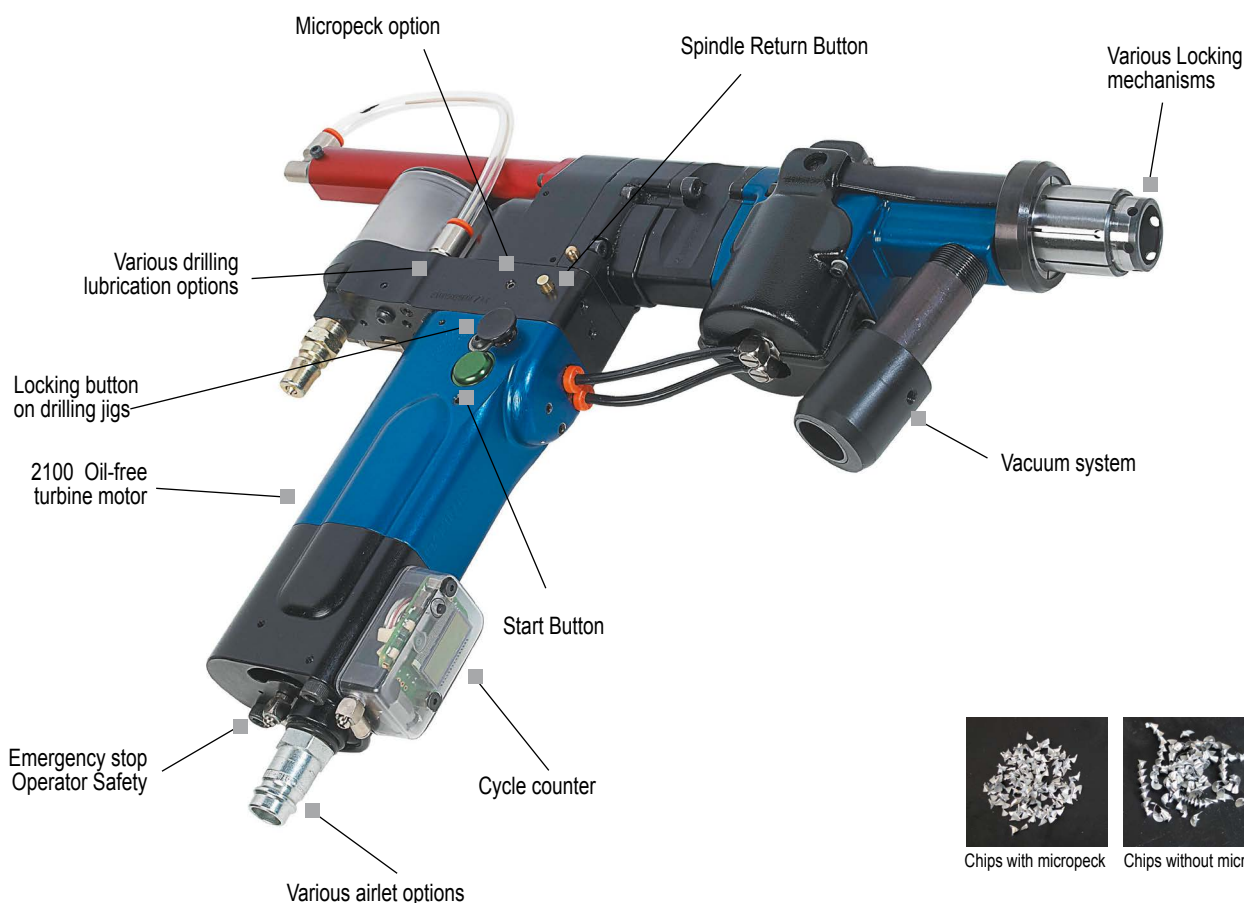
This concept is dedicated to highly demanding drilling, reaming, countersinking applications, where quality, precision and repeatability are critical.

Its innovative design make one step drilling, reaming, countersinking possible, and will help driving down your cycle time.

Its design based on modularity concept and the wide variety of clamping options will answer most of your applications.

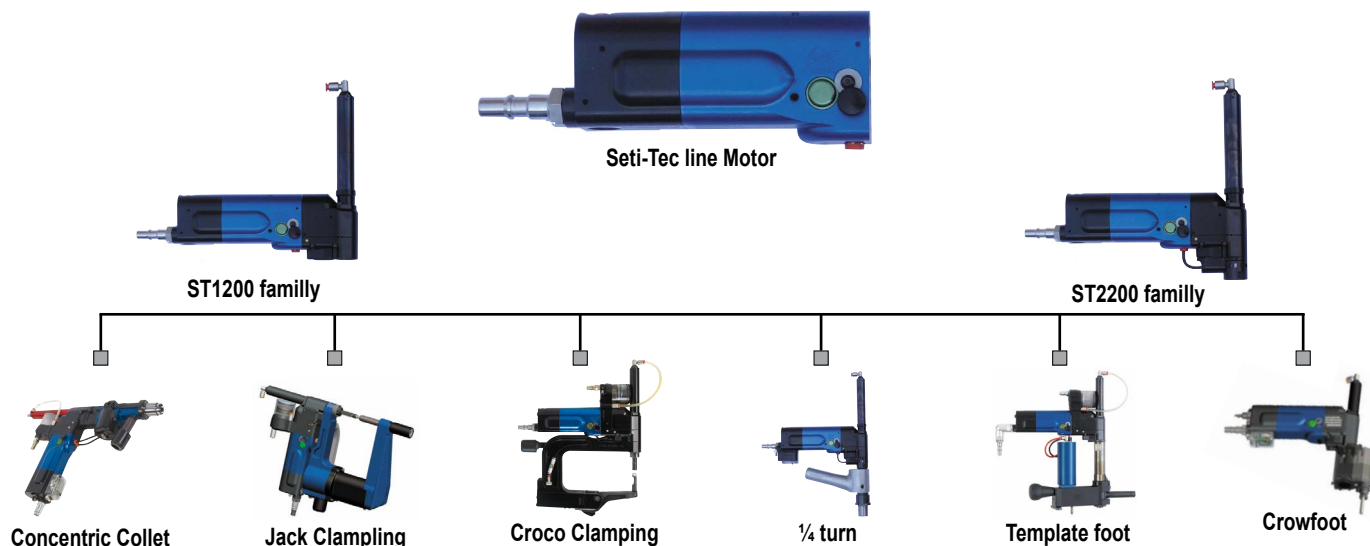
In addition to the current ST1200 and ST220 pneumatic range, the Electric Drilling Unit range éVo is raising the drilling performance to a new standard.

1 STEP OPERATION	PRODUCTIVITY
DRILLING REAMING	QUALITY
COUNTERSINKING	SAFETY



Chips with micropeck Chips without micropeck

MODULAR CONCEPT



TECHNICAL INFORMATION

Type: Automatic positive feed drill
Drill and countersink, precision depth 0.02mm

	ST1200	ST2200
Power:	2.8 HP, with torque limiter at lower speed	
Weight:	1.5 kg (3.3lb)	4.2 kg (9.2lb)
Stroke:	Unlimited	Unlimited
Feed rate:	0.02 mm/rotation 0.04 mm/rotation 0.06 mm/rotation 0.08 mm/rotation 0.10 mm/rotation 0.12 mm/rotation 0.15 mm/rotation	0.04 mm/rotation 0.06 mm/rotation 0.10 mm/rotation 0.12 mm/rotation 0.14 mm/rotation 0.18 mm/rotation 0.20 mm/rotation

Upper feed rates possible to adapt.

Rotation speed:	240 rpm 500 rpm 1000 rpm 1700 rpm 2400 rpm 3000 rpm 4600 rpm 6500 rpm 8100 rpm 14000 rpm	159 rpm 250 rpm 300 rpm 540 rpm 700 rpm 800 rpm 900 rpm 1200 rpm 2600 rpm 3000 rpm
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Available an right angle, inline and inline + handle

HOLE DIAMETER	ALUMINIUM COMPOSITE	TITANIUM HARD METAL	ALUMINIUM COMPOSITE	TITANIUM
	Straight hole		Countersink hole	
<4,8mm - 3/16"	ST 1200	ST 1200	ST 1200	ST 1200
<6,35mm - 1/4"				
<7,9mm - 5/16"				
<9,5mm - 3/8"				
<11,1mm - 7/16"				
<12,7mm - 1/2"				
<14,3mm - 9/16"				
<15,9mm - 5/8"	ST 2200	ST 2200	ST 2200	ST 2200
<19,5mm - 3/4"				
<22,2mm - 7/8"				
<25,4mm - 1"				
Over 25,4mm - 1"				

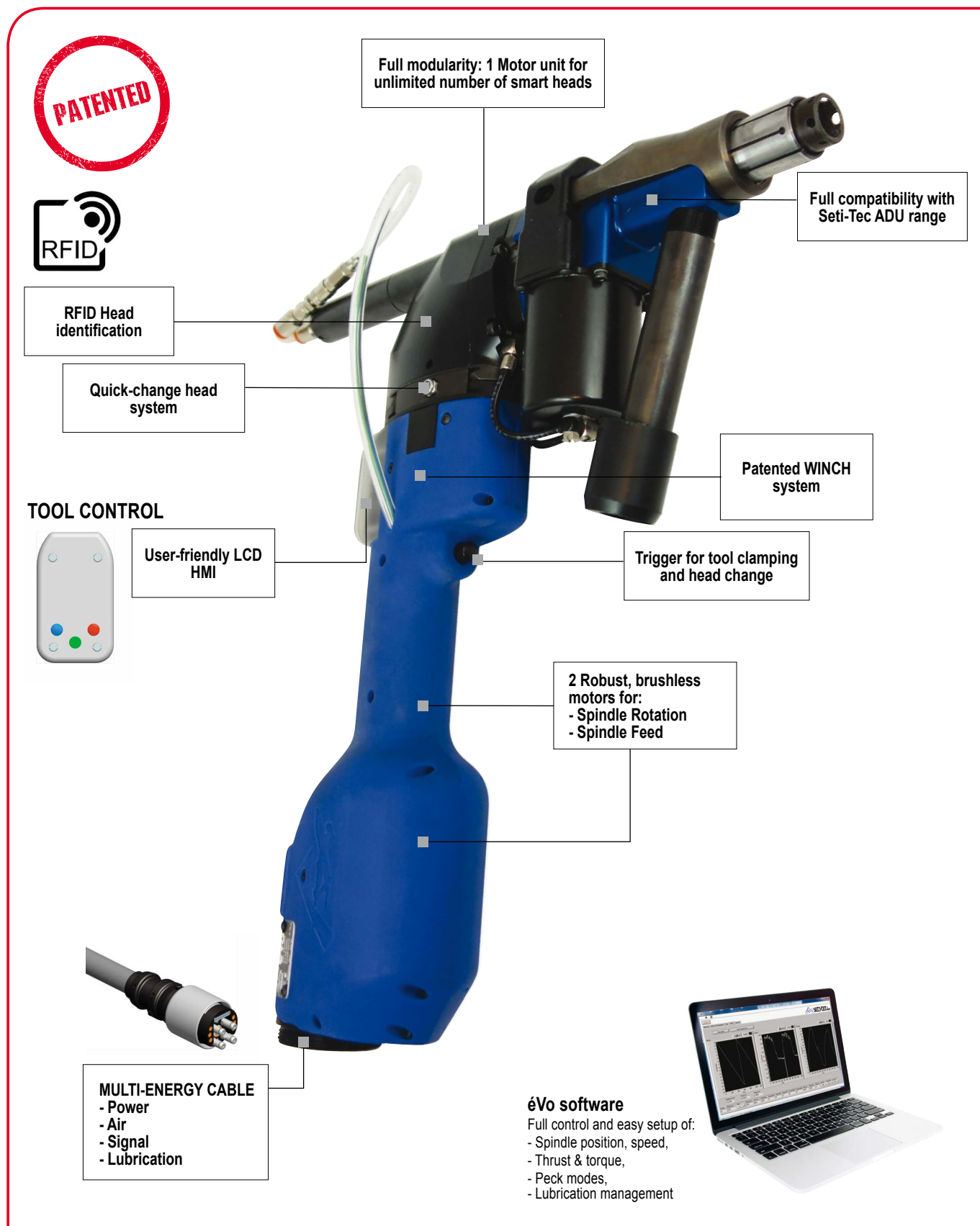
	CONCENTRIC COLLET	BAYONET 1/4 TURN	CROCO CLAMP	JACK CLAMP	TEMPLATE FOOT	CROWFOOT
Thick jig	ST1200 ST2200					
Thick jig with rail or screws		ST1200 ST2200				ST1200 ST2200
Thick jig			ST1200	ST1200	ST1200	
No jig (pre-hole)			ST1200	ST1200	ST1200	



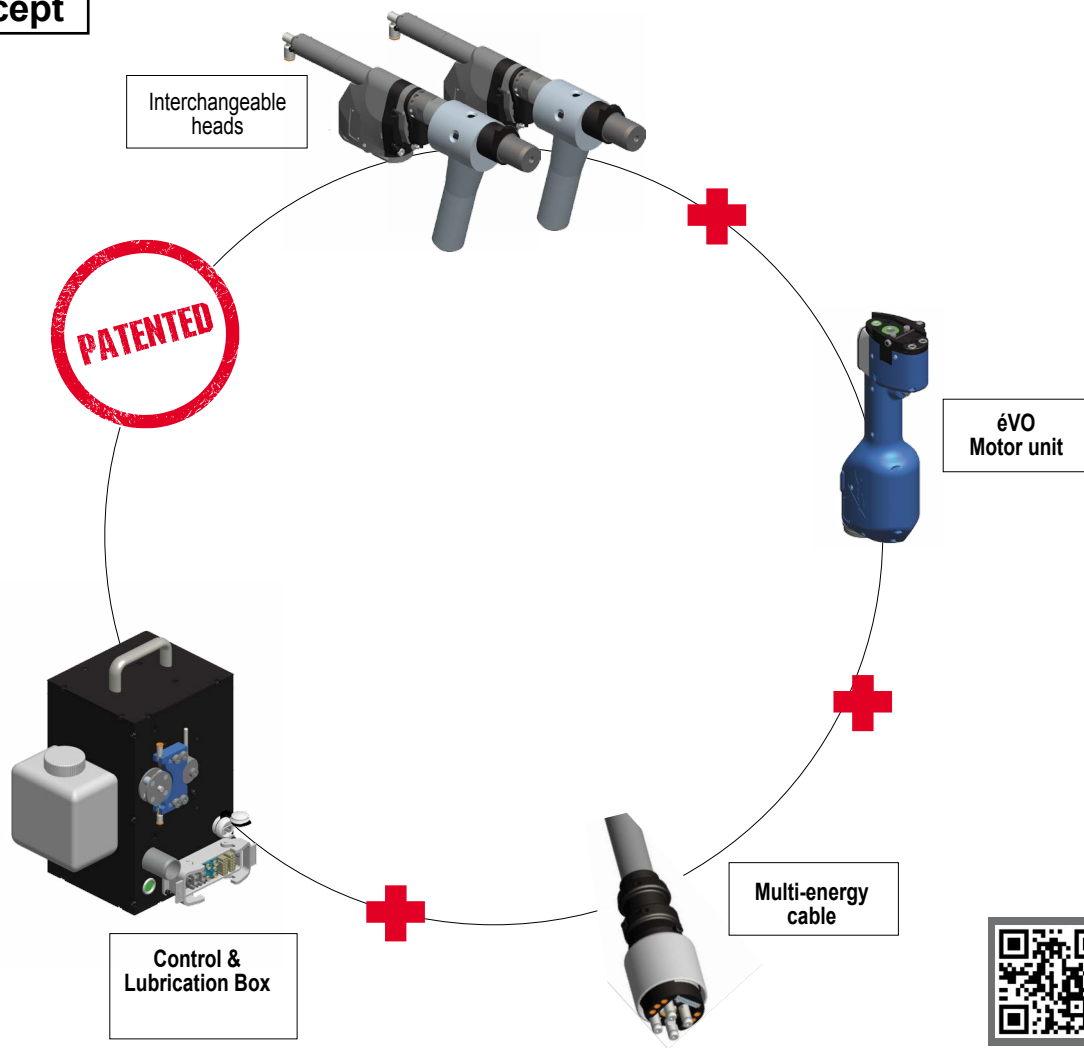
Special right angle

Any specific requirement can be handled by Seti-Tec line design team. Contact your Desoutter representative for assistance

Seti-Tec latest innovation will raise your drilling performance and quality to an unprecedented level. Cycle time reduction, quality control, full control over drilling parameters in a compact, user-friendly system.



éVo Concept



KEY POINTS



PRODUCTION OPTIMIZATION

CYCLE TIME REDUCTION

Feed rate and rotation adaptation based on real time material detection
Smart Lubrication → reduced Cleaning time

FLEXIBLE Line management

1 Motor unit = unlimited number of heads
Easy setting & change of drilling cycle parameters via dedicated software



QUALITY CONTROL

Real time drilling monitoring for detection of broken tools

Automatic detection of exit point
Real-time lubrication management
Ability for peck programming
Detection of multi-stack gaps



SMART DRILLING

Autonomous drilling mode → self adaptation
adaptation of drilling cycle
Unlimited drilling curve storage

Various Poka Yoké systems
Real time drilling monitoring



HEALTH & SAFETY

Reduced Environmental impact

Reduced consumption
Reduced lubrication pollution

Improved workplace

Limited operator's exposure to lubricant



MAINTENANCE OPTIMIZATION

Full modularity with ADU components
Cycle counter for cutting tool & heads
Access right management
Increased life time for cutting tools