

Precision Drilling - Every Time



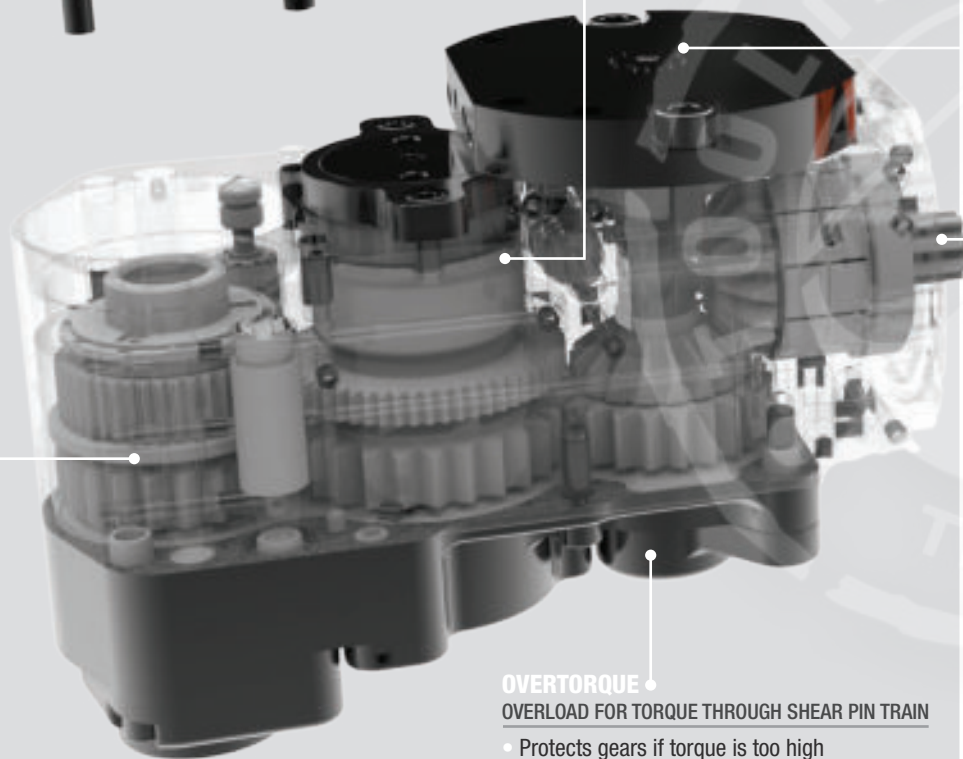
EASYCHANGE
FOR FEED RATE AND MITIS™

- Feed change in less than 15 minutes (Allows easy configuration and/or less time to repair)
- Mitis™ change in less than 15 minutes* (Allows easy configuration and/or less time to repair)



EXTRALIFE
NO IMPACT CONE CLUTCH FOR RETRACT MECHANISM

- Improved reliability
- No impact, less servicing
- Easy access for servicing
- Lower service cost



LIFTSWITCH
MECHANICAL INITIATION OF RETRACT

- Improved reliability
- Longer life
- Less defects
- Depth/dwell incorporated for accurate countersinking +/- 0.001" (0.03mm)

OVERTORQUE
OVERLOAD FOR TORQUE THROUGH SHEAR PIN TRAIN

- Protects gears if torque is too high
- Longer gear head life
- Keeps tool weight down
- Can prevent drilling with damaged cutter
- Less hole defects

* Mitis Chip Fragmentation System

AVAILABLE CONNECTION FOR ACCESSORIES/ERROR-PROOFING

- Allows easy implementation of:
- Remote start
 - Start safety interlock
 - Air supply to accessories
 - Remote retract
 - Cycle complete

Makes customization easier
Coolant shut-off in retract
Get the configuration you want in less time



Available in Right Angle or Inline Configuration



VANE- AND TURBINE-GOVERNED MOTOR OPTIONS

Wide range of speed options through modular planetary gearboxes
Governed Turbine and Vane modular motor choices easily interchanged



INCREASE PRODUCTIVITY

- Drill and 100% countersink capable with MITIS™ chip fragmentation
- Most flexible power train design configurable to minimize speed drop
- Turbine 2.2hp/1.6kW, Vane 1.4hp/1kW at spindle for maximum speed/torque
- Integrated MITIS™ for optimum chip evacuation

LOW OPERATING COST

- Up to 500 hours/100000 cycle PM interval**
- Uniquely configurable power train to maximize cutter life
- Selectable turbine/vane motors to minimize operating cost based on usage
- Grease ports, self contained bearings and captive O-rings reduce service costs

LOW MAINTENANCE

- Up to 500 hours/100000 cycle PM interval**
- Access service parts without total tear-down
- Extralife clutch accessible for change in less than 15 minutes
- Easy-change access to change both feed and MITIS™ in less than 15 minutes

QUALITY

- Configurable error-proofing
- Anti-jam spindle
- Add on counter for operator independent cutter change
- Minimized speed drop for consistent hole quality

** Mitis™ may require more frequent PM, refer to service manual

PRODUCT SPECIFICATIONS

Tool thrust 400lbs at 90psi/6.3bar dynamic air supply

| Base Tool | | | | Standard Option | | Rated Speeds -0/+20% | | Feeds | | |
|--|-----------------|-----|---------|-----------------|---------|----------------------|---|---|--|--|
| Code | Base Weight lbs | kg | Noise | Configuration | | Code | Configuration | Turbine | ipr | mm/rev |
| <i>Turbine Max Spindle Power 2.2 hp / 1.6kW at 90 psi / 6.3 bar dynamic air supply</i> | | | | | | | | | | |
| A24T | 5.2 | 2.4 | <=85dBA | Right Angle | Turbine | M | Internal Mitis F3 - 1.5 times per rev F5 - 2.5 times per rev Amplitudes (mm) 0.10 0.15 0.20 0.25 0.30 0.35 | 5400, 4400, 4000, 3400, 2700, 1800, 1200, 1000, 850, 700, 650, 550, 450 | 0.001 0.002 0.003 0.004 0.006 0.007 0.008 0.010 | 0.025 0.051 0.076 0.102 0.152 0.178 0.203 0.250 |
| A26T | 5.0 | 2.3 | <=85dBA | In Line | Turbine | | | | | |

| | | | | | | | | | | |
|---|-----|-----|---------|-------------|------|---|---|--|--|--|
| <i>Vane Max Spindle Power 1.4 hp / 1kW at 90 psi / 6.3 bar dynamic air supply</i> | | | | | | | | | | |
| A24V | 5.5 | 2.5 | <=82dBA | Right Angle | Vane | M | Internal Mitis F3 - 1.5 times per rev F5 - 2.5 times per rev Amplitudes (mm) 0.10 0.15 0.20 0.25 0.30 0.35 | 5200, 4500, 4200, 3900, 3700, 3300, 2900, 2600, 2300, 1700, 1500, 1150, 1000, 800, 700, 650, 600, 550, 480, 430, 400, 380, 320, 250 | 0.001 0.002 0.003 0.004 0.006 0.007 0.008 0.010 | 0.025 0.051 0.076 0.102 0.152 0.178 0.203 0.250 |
| A26V | 5.3 | 2.4 | <=82dBA | In Line | Vane | | | | | |

Product Specifications subject to change without notice

| | | |
|-------------------------|---|--|
| Spindles | <ul style="list-style-type: none"> Specified based on stroke requirement and cutter thread interface |  |
| Nose Attachments | <p>Specified based on application requirements:</p> <ul style="list-style-type: none"> Concentric collet Twist lock: standard and vacuum Template foot Indexers Compatible with existing 1"-20 noses |  |
| Other Options | <ul style="list-style-type: none"> Spindle guards: specified to suit spindle and coolant method used, compatible with existing 15QRHD spindle guards Handles: based on application requirements Electronic counter: for cutter count, maintenance, and overall tool life Lubricators: on-board and floor pump models available <p><i>* Visit our website to submit an application inquiry: www.quackenbushtools.com/tools/advanced-drilling-equipment</i></p> |  |

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