

MANUAL HOLE-MAKING MACHINES

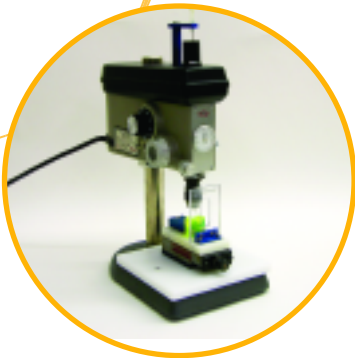
by TECHNICAL INNOVATIONS

Whether you are drilling, skiving, or punching, these compact, economical and versatile hole-making systems are well-suited for a wide array of hole-making applications.

Manual Hole Drilling Machine

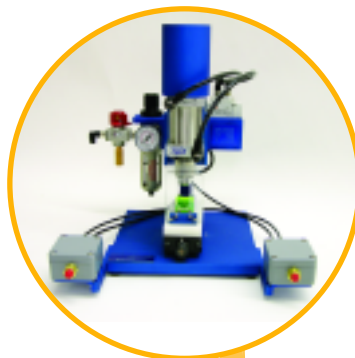
These compact and economical yet extremely precise hole-drilling machines offer a wide range of fixturing, keyless Albrecht chuck, manual quill control and a hollow quill ejector-pin system for automatic plug clearing.

The manual hole-drilling machine can also be fitted with an optional skiving package, resulting in an extremely precise way to skive an oval chip from the side of a catheter. It's ideally suited for accessing specific lumens in multi-lumen catheters.



Pneumatic Hole-Puncher LT

Providing safe and functioning solutions to hole-punching challenges, the Pneumatic Hole-Puncher LT is well-suited to a range of hole punching options. These machines accept standard or custom tooling for single and multi-lumen tubes. Punch travel distance is adjustable and the dual-hand activation feature enhances operator safety.



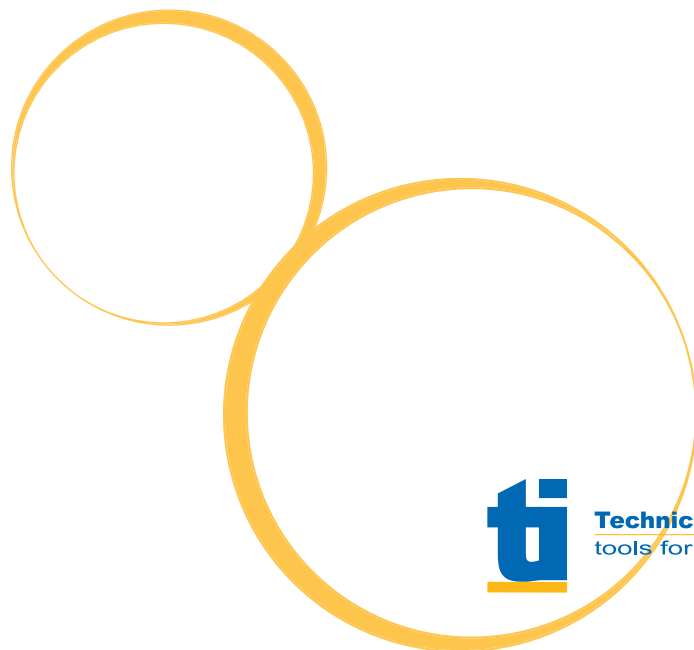
Technical Innovations
tools for the hole world

For ordering information, please contact us at:
20714 Highway 36, Brazoria, TX 77422
T: 979-798-9426 • F: 979-798-9428
custserv@holes-inc.com • www.technicalinnovations.com

Features and Accessories*

TI Pneumatic Hole Puncher LT	TI Manual Hole Drilling Machine
<p>Features</p> <ul style="list-style-type: none"> Simple, precise depth control Accepts punch shanks up to 3/8" Round and oval hole punching capability Automated plug ejection Two-hand pneumatic activation Quick change tooling base Centering plate with shield RAM speed control Cleanroom compatible <p>Accessories</p> <ul style="list-style-type: none"> Catheter guides for single-wall and through-punching applications Adjustable X-axis slide, Y-axis slide and/or theta-axis table Adjustable end stop Coordinated air wash cycle Foot pedal activation Digital readout for Y-axis slide Heavy duty punching head for thick-walled punching applications 	<p>Features</p> <ul style="list-style-type: none"> Quick change tooling base RPM range from 100-4,000 Precision depth control with indicator read-out Accepts drills with up to 1/8" diameter shanks Automated plug ejection <p>Accessories</p> <ul style="list-style-type: none"> Custom quick-change catheter guides Skiving package (adjustable Y-axis and skiving stabilizer) Adjustable X-axis slide Microscope with stand Metric readouts 220 volt conversion Keyed lumen locating fixtures for multi-lumen tubing

*Specifications subject to change without notification.



For a free demonstration just send us a sample of your tubing and your specifications. We will return your tubing drilled to your specifications and include a review of our methodology. We will also recommend the best TI hole-making system to meet your requirements. Free.



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