

# The New SURELOK III

## 18" or 25" Throat Machine Designed for all clinching applications

With its versatile design and unsurpassed features the Surelok III series of machines outperform the competition like no other. Solid and reliable, the Surelok III will fasten material from as thick as 14 gauge to as thin as 32 gauge with our proven clinching technology.



### Superior Features include...

#### APU - Advanced Power Unit

- faster, smoother, quieter and uses less air

#### Stainless steel ready

- with a simple punch and die change

#### Adjustable 2 1/2" stroke

- convenience of use

#### 15 years of design experience

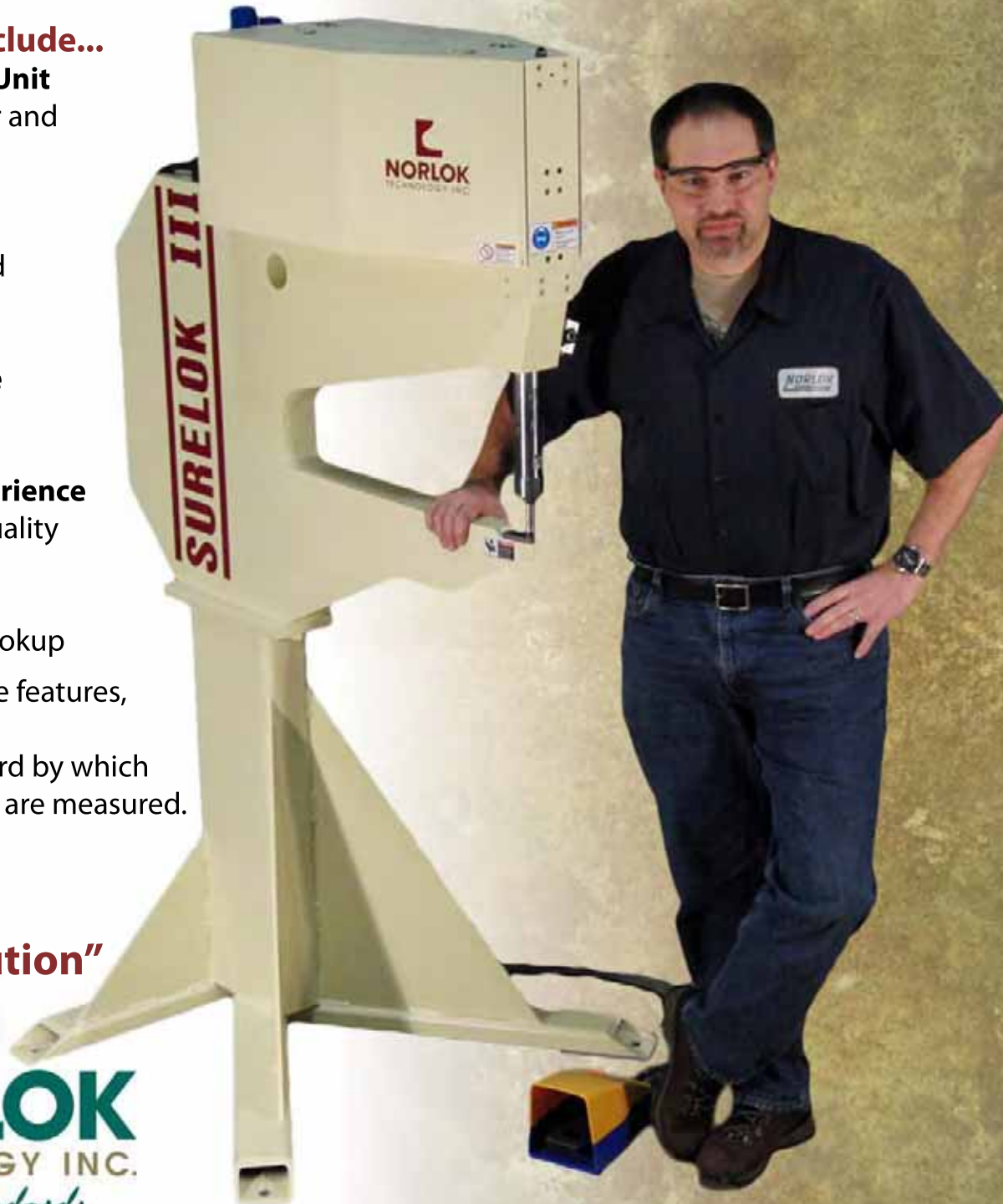
- proven reliability and quality

#### Air powered

- requires no electrical hookup

When you combine all the features, benefits and quality, the Surelok III sets the standard by which other clinching machines are measured.

Join the  
"clinching revolution"



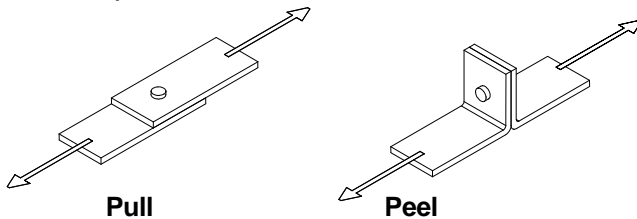
**NORLOK**  
TECHNOLOGY INC.  
*Setting the standards*

## **SPECIFICATIONS – SURELOK III**

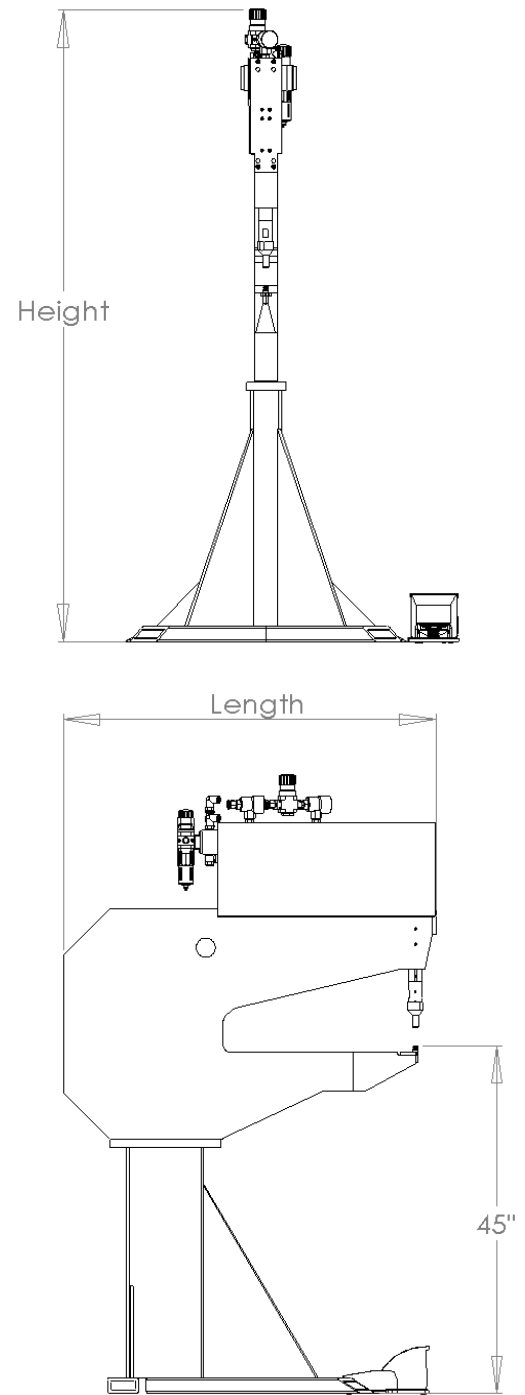
Rigid steel frame resulting in less deflection for longer tool life. Close tooling access allows for more applications. “Intelligent” safety stroke for greater operator safety. Simple tool adjustments.

- Press Design:** Solid 3” steel "C" frame.
- Features:** APU pneumatic power unit.  
Regulator, Shut-off valve  
Foot pedal operated
- Stroke:** 2 1/2" max. (adjustable)  
**Throat:** 18" or 25"  
**Work Height:** 45"
- Upper Tooling:** Round or Rectangular ready  
Adjustable to suit material thickness.
- Lower Tooling:** Die insert on a hardened die plate with  
a hardened protection collar.
- Capacity:** MAX: Two ply 0.075" mild steel.  
MIN: Two ply 0.010" mild steel.  
MAX: Two ply 0.050" Stainless.  
MIN: Two ply 0.010" Stainless.  
(Rectangular tooling for stainless)
- Cycle speed:** 60-80 cycles/minute (standard)  
Up to 150 cycles/minute with options
- Air Requirements:** 80psi to 100psi  
100psi (recommended)  
Approx. 0.2 cu ft free air per cycle.  
(2 HP @ 60 clinches per minute)
- Dimensions:** SL 18: 36" wide, 38" long, 78" high. 940 lb  
SL 25: 36" wide, 49" long, 80" high. 1300 lb

### **Typical Joint Strengths (Mild Steel):**



<b>Material Thickness</b>	<b>Pull (lbs)</b>	<b>Peel (lbs)</b>	<b>Die Type</b>
0.075" (14g)	550	225	#50
0.060" (16g)	475	175	#50
0.050" (18g)	430	150	#40/#50
0.040" (20g)	400	120	#40
0.034" (22g)	375	100	#30/#40
0.028" (24g)	325	85	#30
0.022" (26g)	285	70	#30



### **Pipe diameter Die reach into Pipe**

3" Ø	1-3/8"
4" Ø	3 1/4"
5" Ø	5"
6" Ø	12-1/4"
7" Ø	13-5/8"
8" Ø	15-7/8"
9" Ø	18-1/8"
10" Ø	20-1/2" *
11" Ø	22-3/4" *
12" Ø	24-1/2" *

\*Surelok III 25" throat only