



Setting the standards in clinching technology

For more than 10 years, Norlok Technology, an ISO 9001:2000 registered company, has led the way in sheet metal fastening.

At our new, efficient facility, we design and manufacture the **SURELOK**, **LETTERLOK**, **WATSON**, and **CUSTOM** machines that are used by major manufacturers and small shops all over North America and the world.

We pride ourselves on our friendly and knowledgeable staff and are always available to answer your questions and provide you with sheet metal fastening solutions.

From our experienced engineering and service departments to our production personnel, we always strive to provide the best product, service and support in the business.

An extensive distributor network ensures that there is always someone close by to answer your questions or attend to your needs.

Get a better grip on sheet metal fastening and call fax or E-mail us. We'll be happy to answer any questions or give you the name of your closest distributor.

ISO 9001 REGISTERED COMPANY

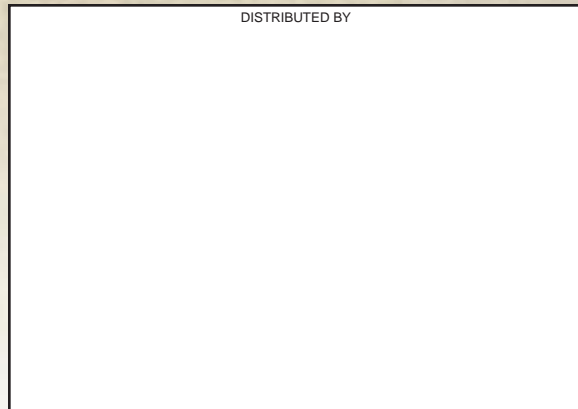


26 Adams Boulevard,
Brantford, Ontario, Canada
N3S 7V2

519.759.5896

Fax: 519.759.2948
Email: info@norlok.com
Web: www.norlok.com

DISTRIBUTED BY



IMAGINE
a better and
more economical
way to fasten
sheet metal



Imagine...

**if you could fasten
sheet metal without the
fumes, sparks and damage
of spot welding,
the predrilled holes and
hassles of riveting...
and...all at a lower cost!
Sound good?**

Read on, it gets better!

Welcome to Norlok Clinching!

This advanced method of fastening sheet metal offers benefits only dreamt about not that long ago. From being able to fasten dissimilar material to pre-painted or coated stock, clinching has surpassed the old standards and delivered better solutions to thousands of shops.

Not only does clinching produce a cleaner joint, it does it faster and safer than standard methods. Your operators no longer have to worry about fumes, sparks, burrs or dangerous machines.

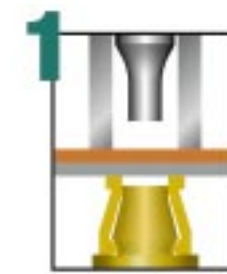
A safe and comfortable operator means increased production.



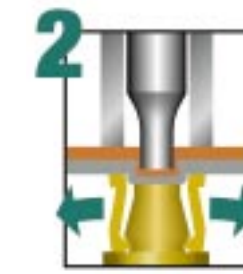
CLINCHING...
how does it work?

Clinching is a method of fastening sheet metal together without the need for heat, rivets, fasteners or adhesives.

To create the joint, a special punch and die, create a 'mushroom-like' lock from the base metals. It produces a virtually leak proof joint in materials as thick as 0.135" (3mm) and as thin as 0.010" (0.25mm)



The tooling clamps the material between the punch and die.



The punch pushes the material into the die which opens and forms a 'mushroom' lock.



The punch is stripped out and the lock remains.



The tooling unclamps the material and the part is easily removed.

**THE BENEFITS
ARE ENDLESS**

Just some of the advantages of clinching

Fast and consistent joint quality
With fast cycle times and unsurpassed consistency, production is increased.

No rivets, bolts, fasteners, heat or adhesives
The least expensive way to fasten material.

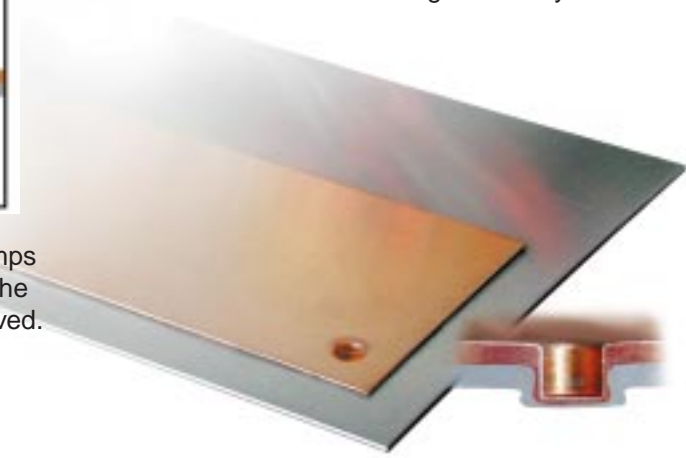
No fumes, heat or electrical hookups
Clinching allows for a clean and safe working environment.

Little or no damage to material
No rework as there is no heat to burn paint or galvanized finishes.

Join dissimilar material
Fasten different materials and thickness together with the same machine.

Simple adjustments and very little maintenance
Save on downtime and maintenance.

Portable and versatile
Norlok machines can be built in portable versions or custom designed to fit your needs.





Clinching is taking hold everywhere!

Many manufacturing plants, HVAC shops, and educational institutions have realized the benefits of fastening sheet metal with Norlok Clinking Machines.

- Appliance manufacturing
- Automotive manufacturing and parts
- Educational institutions
- Furnace and fireplace manufacturers
- Furniture manufactures
- Garage and overhead doors
- Heating and air conditioning
- Metal windows and doors
- Paint booth manufacturing
- Roofing and architectural fabrication
- Sign and display manufacturing
- Steel framing industry & construction
- Swimming pool manufacturers
- Trailer and custom truck shops
- Vending machine manufacturing
- and anyone fabricating with sheet metal

An extensive user list is available on request

The SURELOK II

What performance is all about

With its versatile design and unsurpassed features the Surelok II series of machines outperform the competition like no other.

Solid and reliable, the Surelok II will fasten material from as thick as 14 gauge to as thin as 32 gauge with our proven clinching technology.

Superior features include ...

- Rigid steel frame**
less deflection for longer tool life
- Close tooling access**
get in close for more applications
- Fast cycle times**
for more production
- 18" or 25" throats**
greater reach for larger parts
- "Intelligent" safety stroke**
for greater operator safety
- Direct acting power stroke**
for more reliable joints
- Simple tool adjustments**
little or no setup time
- Adjustable stroke**
Reduces pinch point and air consumption
- Completely upgradeable**
add what you need - when you need it
- Small footprint**
requires less floor space
- 10 years of design experience**
proven reliability and quality
- Air powered**
requires no electrical hookup
- Affordable prices**
low investment and faster payback

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



Unsurpassed tooling access

The WATSON

Performance in a small package

Like the Surelok II the Watson offers all the benefits of clinching, but in a lightweight version that gives you the portability you need.

This compact clinching machine is easy to handle, requires only shop air to operate and can fasten up to 14 gauge material.

Features include ...

- Lightweight**
for great portability
- Safety strokes**
for greater operator safety
- Proven designs**
for consistent clinches
- Easy maintenance**
for less down time
- Competitively priced**
low investment and fast payback
- Fully customizable**
designs to fit your needs



Call our engineering department to see what our portable machines can do for you.

CUSTOM DESIGN

Clinching machines design specifically for you

No matter what your needs may be, as experts in clinching technology, Norlok engineers can provide you with quick assessments and detailed proposals to solve your fastening problems.

We offer cost effective, practical solutions to even the most complex clinching applications. Our engineers use finite element analysis and load simulation software to ensure the custom design meets all of your needs. From the largest, multi-lock, computer controlled machines, to the smallest portable units, each custom machine is crafted to the highest quality.

Our experience in design, analysis and manufacturing has made us a leader and innovator in the sheet metal fastening industry.

