

# URSVIKEN

## Engineering and Building Large Plate Bending Press Brakes To Solve Unique Manufacturing Challenges.

With more than 130 years of metal manufacturing engineering experience, Ursviken provides the most effective plate bending systems and technology available.



Ursviken celebrates 130 years of engineering excellence.

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HEAVY DUTY PLATE BENDING PRESS BRAKES.

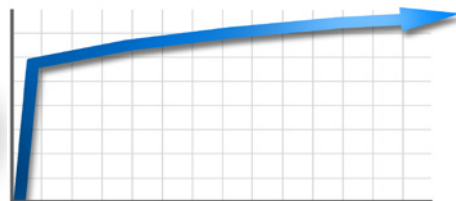
[www.ursviken.com](http://www.ursviken.com)



**With our highly qualified team of engineers & technicians, no plate bending manufacturing problem is too big to conquer and solve.**

Ursviken is an engineering company specializing in developing state of the art technology for plate and sheet metal press brakes. We have developed and built large plate bending press brakes for leading companies globally, keeping them in the forefront of their market. We make it possible for them to produce large and complex products of higher quality, increasing their profitability and competitiveness.

Ursviken's large plate bending press brakes solve the unique challenges to bending heavy and large plates. Ursviken offers the latest in automated material handling and tool changing and allows for controlling long bends in thick metal.



Consistent bends and faster manufacturing speed generated by automation give you an instant increase in revenue and a higher profit. Ursviken not only provides you with a new press brake but a new and more efficient manufacturing solution.

With an Ursviken press brake you instantly experience a tiger leap in efficiency and profitability.



# Ursviken's large plate bending press brakes are more efficient because they come with the features YOU need.

Efficiency for plate bending press brakes goes beyond bending and is measured in how fast an operator can move to the next bend. Ursviken offers heavy plate forming press brakes from 100 to 12,000 tons. The actual bending is just one of many processes that needs to work seamlessly together. Moving plates into the press brake, positioning the plate correctly, controlling the angle all along the bend are all processes that need specialized solutions. Ursviken offers a line of large press brake equipment and features that seamlessly work together and increase plate bending press brake manufacturing speeds many times over.

The need for automation is getting more important as global competition increases. Ursviken offers fully automated plate bending press brakes with material handling equipment and angle control systems that guarantee an accuracy of +/- 0.03 degrees over 100 feet. With Ursviken's technology and system features, it is possible to multiply manufacturing output while offering more forming services at a higher profit.

**Ursviken's engineers develop and build highly efficient material handling systems that move large and heavy plates in and out of big press brakes at high speed.**

Ursviken's material handling systems can be set up for full automated manufacturing at high speed. Plates are brought in and placed into the correct position within seconds. Angular control and adjustments of the bend are done fully automatic. Large plate bending is now possible to do with just one operator overseeing the manufacturing.

Ursviken's engineers can customize various material handling systems to solve unique and highly complex manufacturing problems, making it possible to produce large products with different parts automatically.

**Seamless integration of complete press brake systems increase manufacturing speed and profits significantly.**

**Ursviken's non-contact angle measuring systems guarantee angular accuracy.**

Ursviken's non-contact optical and laser angle measuring systems are engineered to work in conjunction with a sophisticated gauging system that makes it possible to check and correct the angle all along the bend within seconds. Thick and heavy plates with higher tensile strength and a greater degree of spring back are bent correctly within seconds.

**Ursviken's FlexiCrown system adjusts angles within 24" segments along the bed.**

Ursviken's FlexiCrown system works in conjunction with the angle measuring system to automatically check angles along the table after the bend but prior to the beam return to the top dead center. The crowning can then manually or automatically be adjusted within 24" segments all along the bend. This results in a high precision bend all along the material.

**Ursviken's automatic upper tool system makes single part production efficient.**

Ursviken's engineers have developed a fully automated upper tool system where a rotating top changes the radius fully automatically within seconds. Every bend can be made with a different radius, making the tooling ideal for short runs where every angle is different.

**Ursviken has a manual quick-change upper tool system for very large press brakes.**

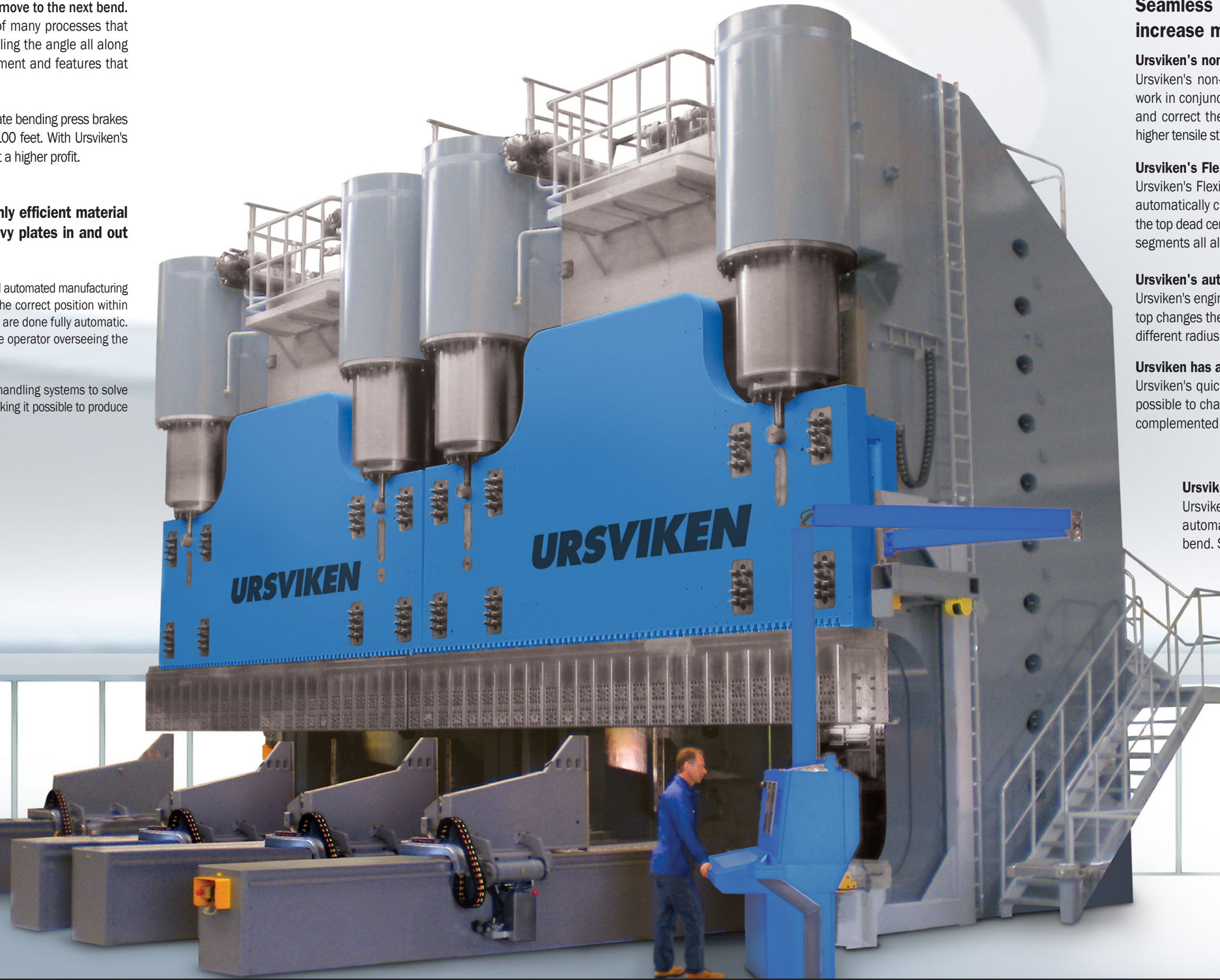
Ursviken's quick change upper tool system with rollers minimizes friction and makes it possible to change large and heavy upper tools within minutes. This system can also be complemented with an upper tool holder that makes long tools quick to change.

**Ursviken's automatic lower tool system makes radius changes in seconds.**

Ursviken's engineers have developed a fully automatic lower die tool system that automatically and within seconds repositions tools to change the radius of the bend. Smaller runs of large plates can be made at high speed.

**Ursviken's has a manual quick-change lower tool system.**

Ursviken's engineers have developed a lower tool system with rollers that makes long and heavy lower tools quick to push in and out of the press brake. Previous 40 minute tool changes are done in less than 5 minutes.



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## Ursviken provides complete engineering services.

At Ursviken we focus on innovative engineering solutions that provide our customers with the system that most effectively solves their unique requirements. Instead of selling all customers the same machine, we study part drawings, tooling, gauging, material handling, ram stroke requirements and more to correctly specify the technical configuration to maximize manufacturing efficiency. We provide world class service to ensure decades of uninterrupted productivity and uptime.

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