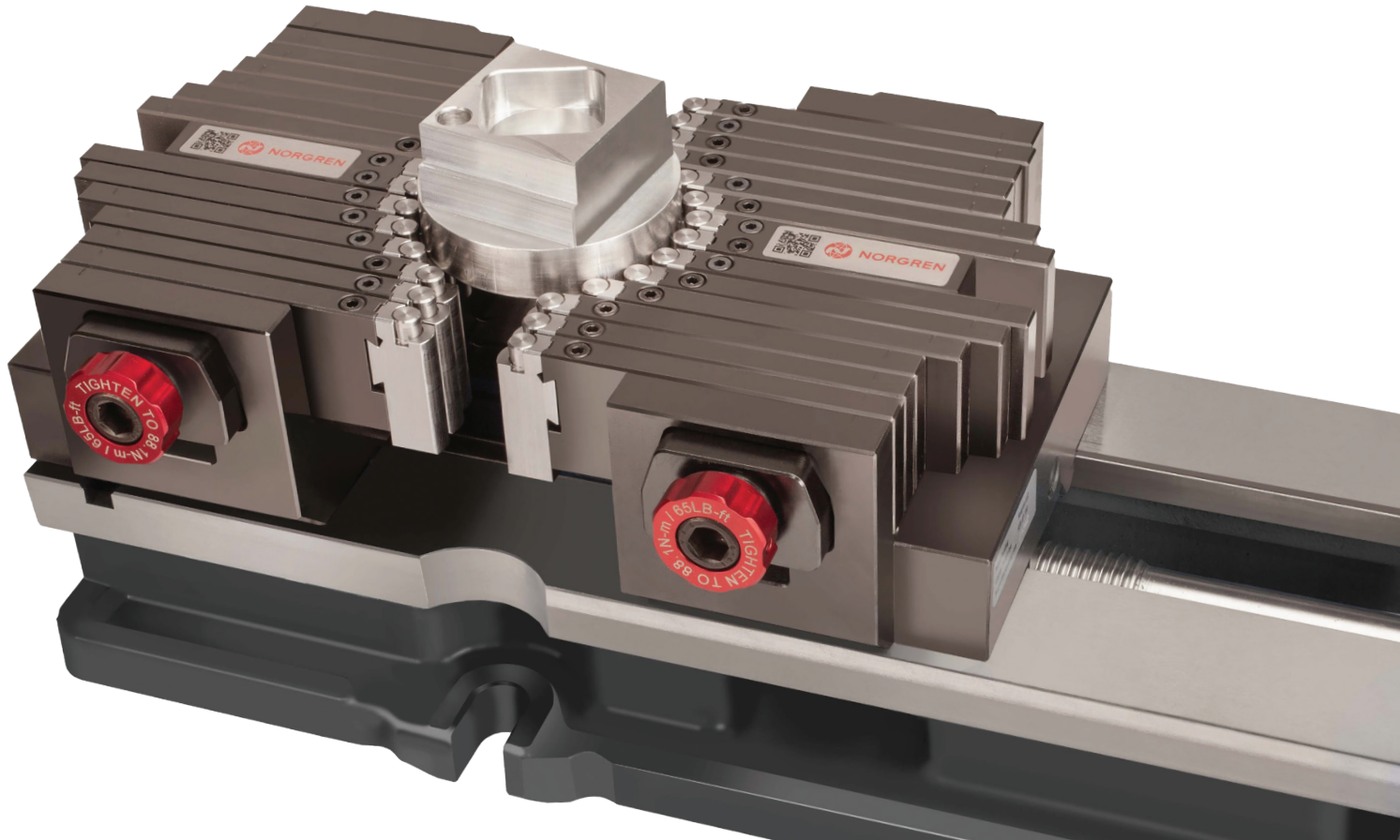


# Adaptix™ Soft Jaw

Save Time. Save Money.  
Get a Grip on Workholding.



**Breakthrough Engineering for a Better World**—With 150+ years of experience manufacturing over 100 million parts per year, Norgren challenged traditional workholding solutions for CNC machining and developed a revolutionary new product which is transforming the way you hold and grip parts in your milling machine.

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## Breakthrough Engineering for a Better World

**Norgren is part of global engineering organization IMI plc. IMI is at the forefront of delivering the solutions we need in a changing world and is focused on **creating tremendous value by solving key industry problems** in attractive markets and employing the best.**

Norgren has a proud history of creating innovative engineering solutions in precise motion control and fluid technology, and we collaborate with our customers across more than 50 countries in critical areas such as Factory Automation, Material Handling, Rail, Energy, Process Control, Life Science and Commercial Vehicles.

From improving speed, productivity, reliability and efficiency of equipment, to generating significant energy and cost savings, or lowering total cost of ownership across many industries, Norgren's high-quality solutions are designed to help customers pursue progress, achieve new goals and overcome problems.

With market-leading industry expertise, we offer the capability, resources, engineering intelligence and global support infrastructure to tackle the largest project demands.

Our world-class portfolio of fluid and motion control products include Norgren, Bimba, Buschjost, FAS, Herion, Kloehn and Maxseal. Supplied either individually or combined into powerful customized solutions to meet customer needs.

**Breakthrough engineering you can count on.**

# Introducing a Better Way to Soft Jaw

**Save time. Save money. Get a grip on the future of workholding.**

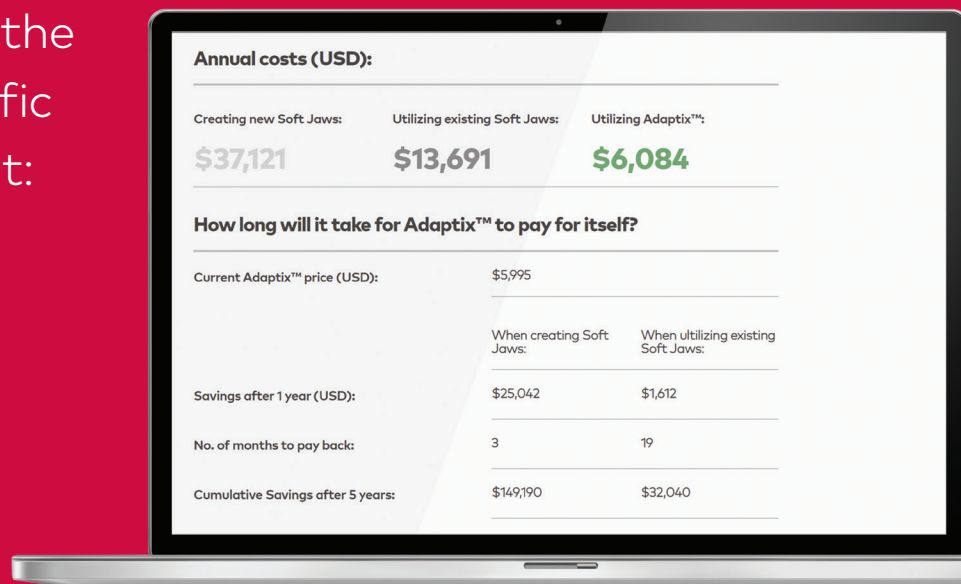
Introducing the Adaptix™ Soft Jaw, a revolutionary new technology that's transforming the way you hold and grip parts in your milling machine. The Adaptix™ Soft Jaw adapts to any part geometry, provides the necessary force to hold your workpiece and will radically reduce the time and cost involved in the design and development of your soft jaws or fixturing.

### Benefits of Adaptix™:

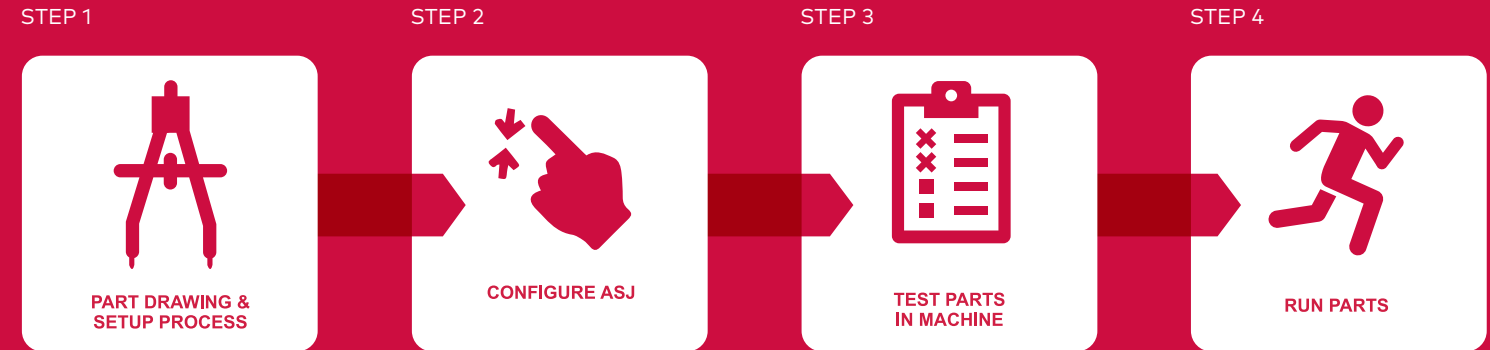
- » Reduced setup and machine time
- » Pinpoint accuracy and repeatability
- » Same necessary force as a traditional soft jaw
- » Save on designing, producing and storing traditional soft jaws

# How much could you save by using Adaptix™ instead of your traditional soft jaw?

Find out by calculating the savings for YOUR specific project or application at:



# THE ADAPTIX™ WAY



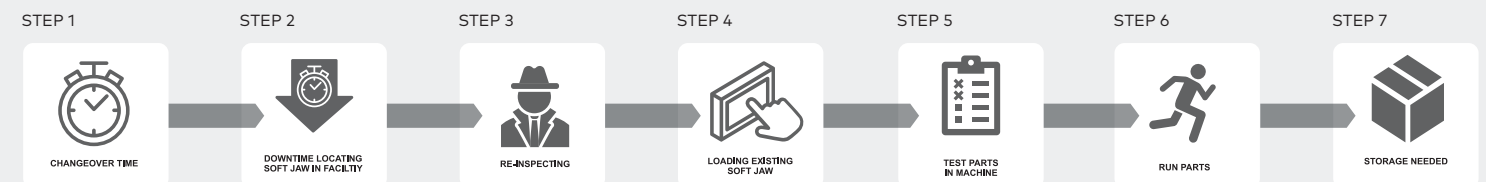
**OR**

# THE OLD WAY

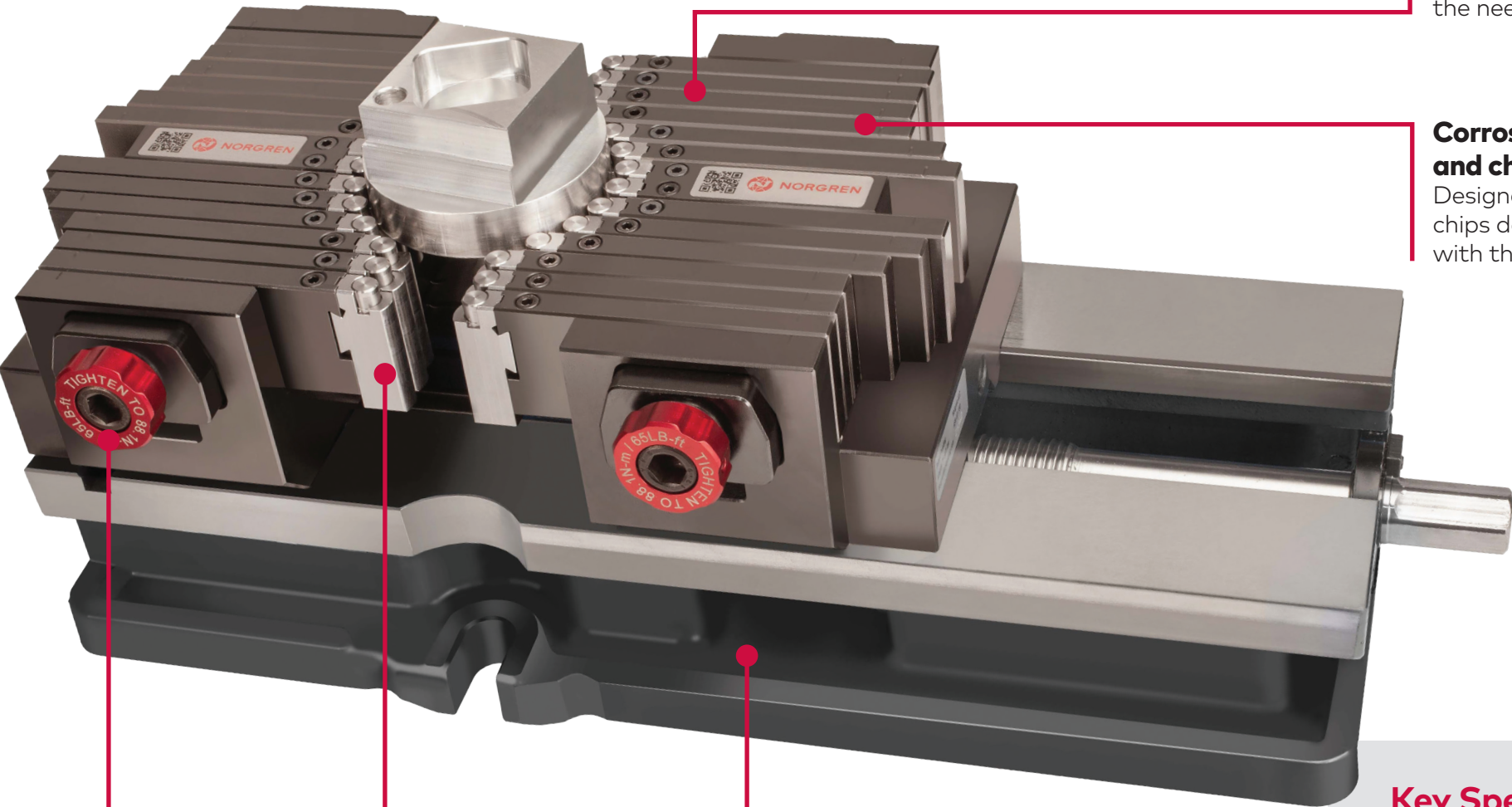
### CREATE NEW SOFT JAW



### USE EXISTING SOFT JAW



# Welcome to the Future of CNC Workholding



**Lockable fingers**  
Allows for repeat part manufacturing by opening/closing vise jaws without the need to readjust.

**Corrosion-resistant and chip deflection**  
Designed so fluids and chips don't interfere with the operation.

**Superior accuracy and repeatability**  
Adjustable fingers lock in place, providing a rigid work-hold with the same necessary force as a traditional soft jaw.

**Replaceable studs**  
Available in multiple materials (aluminum, steel, plastic, brass, etc.), step profiles, shapes and edges to provide gripping flexibility and reduce potential part marring.

**Couples directly to the vise**  
Replaces existing vise jaws and integrates directly onto the vise to ensure maximum performance and accuracy.

## Adaptix™ vs. Traditional Soft Jaw

	Adaptix™	Traditional Soft Jaw
Order blanks & design soft jaw:	0	40 minutes
Program CNC:	0	15 minutes
Remove old soft jaw and put away (storage):	0	10 minutes
Setup / cut / configure:	10 minutes	27 minutes
Inspect & QA soft jaw:	5 minutes	10 minutes
Test parts in machine (run 1st part):	10 minutes	10 minutes
Soft jaw material cost estimate:	\$0	\$30
Number of operations per job that require a soft jaw or Adaptix™:	2	2
Cost per job w/ a labour rate of \$25/hour:	\$21	\$153
Soft jaw storage:	No soft jaw storage needed	Storage required
Weekly cost example (2 jobs per week):	\$42	\$306

## Key Specifications

**Repeatability**  
0.001in (25um)

**Max Clamping Force**  
7000lbf (31kN)

**Max Finger Stroke**  
1in (25mm)

**Dimensions & Weight Kurt version**  
Height: 3.07in (78mm)  
Width: 8.27in (210mm)  
Length: 4.02in (102mm)  
Weight: 18lbs (8.16kg) per jaw

**Fingers**  
Height: 1.57in (40mm)  
Thickness: 0.39in (10mm)  
Stroke: 0.98in (25mm)

**Materials & Options**  
Housing: Machined AISI 4000 Alloy Steel  
Fingers: Machined AISI 4000 Alloy Steel  
*AISI 4000 components use Liquid Nitride Coating*

## Features



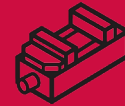
**Instant Setup**  
Configure in minutes and reset in seconds



**Eliminate Storage**  
Gone is the need for soft jaw or fixture storage



**Interchangeable Pin Tips**  
Select ideal pin tip material, step profile and shape based on what's being gripped



**Vise Compatibility**  
Works with common vise manufacturers



**Field Repairable**  
Easily replace pins/studs on your own



**Durable Construction**  
Withstands harsh conditions of machine tool interiors



**Dedicated Support**  
Experts available to answer any questions at a moment's notice

# Replaceable Fingertips.

## A World Of Options.

With a wide variety of materials, step profiles and shapes, our state-of-the art fingertips provide endless gripping flexibility for any part geometry.

Don't see a solution that you need?  
Contact us today:

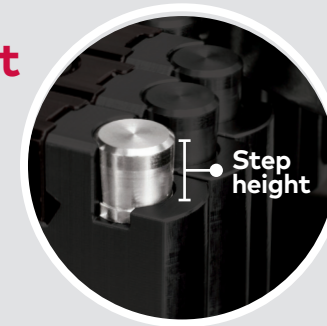
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### Step 1: Choose Parallel/Step Height

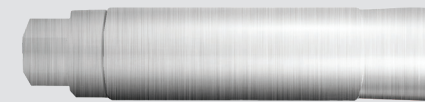
- » 3mm
- » 6mm
- » 10mm
- » 12mm (future)
- » 18mm (future)



Our fingertips replace existing parallels. Users can continue to use their own parallel, if desired.



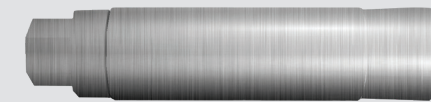
### Step 2: Choose Stud Material



#### Aluminum

- » If very concerned about marking the inserted part
- » Use for clamping soft materials
- » Shortest lifespan

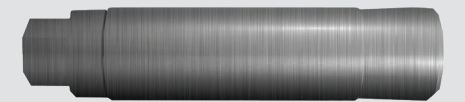
**Brass** (future)



#### Alloy (Soft) Steel

- » General purpose clamping material
- » Medium lifespan

**Plastic** (future)



#### Hard Steel

- » Use for hardest or tool steel materials
- » Longest lifespan

**Stainless Steel** (future)

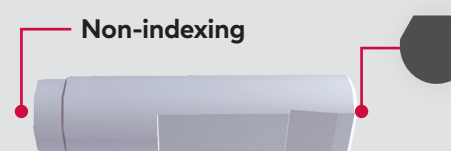


### Step 3: Choose Stud Profile



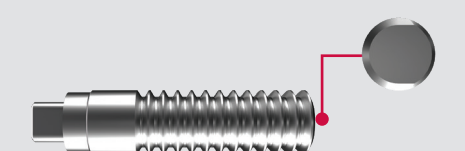
#### Round

- » Full round profile
- » Single point of contact with part



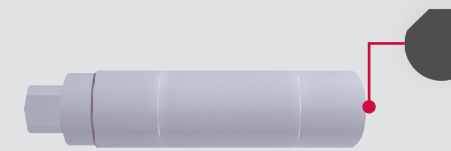
#### Free Rotating

- » Free rotation to contact part



#### Serrated (future)

- » High hold, bites into part
- » Ideal for castings or rough surfaces



#### Multi-flat (future)

- » Flat profile and +/- 45°
- » Conforms to flat surfaces on part at multiple part angles

Norgren operates four global centers of technical excellence and a sales and service network in 50 countries, as well as manufacturing capability in Brazil, China, Czech Republic, Germany, India, Mexico, UK and the USA.

For information on all Norgren companies visit

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**[Workholding]**

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Incorporating



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