People who take work seriously partner with Weiler. We work collaboratively to help solve our customers’ biggest challenges.

We understand that every production operation is different, so is every production challenge. One solution does not fit all.

Weiler experts can examine your specific production and product challenges and develop customized solutions that optimize your operation.

Together we will maximize productivity enabling your business to be more efficient and ultimately more profitable.

To discuss specific requirements with a product specialist, call 800.835.9999.

INDUSTRIAL GRINDING

WEILER ABRASIVES GROUP

Weiler Global Headquarters
One Weiler Drive
Cresco, PA 18326
USA

Weiler de México
Querétaro, México

Weiler de Brasil
São Paulo, Brasil

Weiler Germany
Bradton, Germany

Weiler Slovenia
• Meller (HD)
• Zula
• Safi
• Gigantica

Weiler Germany
Bradton, Germany

High performance industrial grinding products and engineered solutions that drive a competitive edge through increased productivity and profitability.

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High performance industrial grinding products and engineered solutions that deliver a competitive edge through increased productivity and profitability.

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World-class capabilities that deliver...

- Best in class lead-times
- Extensive R&D capabilities
- New platform technologies
- Advanced production capabilities
- Unrivaled safety compliance
- Greens footprint
- On-site technical support

We design customized industrial grinding wheels and solutions for companies throughout the world. These are a few of our global partners:

- Timken
- Outokumpu
- Gleason
- Bosch
- Eaton
- Kennametal
- ArcelorMittal
- Rio Tinto
- Associated Spring
- Volkswagen
- Gerdau

We offer a full line of vitrified & resin bonded grinding wheels and super abrasive products.

**METAL CONDITIONING WHEELS**

Weiler specializes in designing high performance conditioning wheels for stainless steel, specialty alloy, carbon steel and tungsten applications.

These wheels remain hard oxide scale formed in the process of coating slabs, ingots and bars in primary metals facilities.

**PRODUCTS:**
- 26” Hot Press Metal Conditioning Wheels
- 24” & 25” Hot Press Metal Conditioning Wheels

**TESTED PROVEN WEILER WHEELS ARE MORE EFFICIENT. GET 20% MORE FOR YOUR MONEY**

**GRINDING COSTS**

<table>
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<th>MILL GRINDING</th>
<th>COMPETITION</th>
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*Results will vary based on application and grinding parameters*

Stainless Steel Conditioning Case Study:

- Rough grinding with a wheel speed of 80% of its undeformed speed
- Operating environment: No allowances for downstream or spindle damage due to wheel breakage
- 0% of impact to mill meter for reference of wheel
- Surface roughness improvement in facility to measurable results in the elimination of need for cleanup from foundries

**INDUSTRIAL ROLL GRINDING WHEELS**

Weiler produces wheels for grinding new rolls just delivered to the mill and for grinding worn rolls coming out of the mill. Our hot roll and cold roll wheels are designed to maximize your process efficiency and cost savings.

We can design wheels for specific roll types and materials or wheels that provide maximum flexibility in order to be effective across your whole range of roll types and materials.

**PRODUCTS:**
- Resin and vitrified bonded wheels rated for peripheral speed ranging from 25 to 63 m/s (5000 to 9800 SFPM)
- For hard specialty materials such as ASP and NEXA, we offer super abrasive wheels with CBN and DIAMOND abrasives in sizes up to 762mm in diameter

**FOR HARD SPECIALTY MATERIALS SUCH AS ASP AND NEXA, WE OFFER SUPER ABRASIVE WHEELS WITH CBN AND DIAMOND ABRASIVES IN SIZES UP TO 762MM IN DIAMETER**

**26” – 29” Hot & Cold Mill Roll Grinding Wheels**

“**I consider Weiler to be a long-term partner. Their history of meeting our specific application needs has been world-class.”**

Gary S., General Manager, Rolling Operations

**ASK THE EXPERTS**

Weiler Process Solutions (WPS) is an internal applications engineering program designed to provide Weiler customers and engineers support to identify value-added cost savings opportunities in their respective processes.

WPS is a comprehensive process where our expert application engineers access a specific process in order to identify improvement opportunities resulting in measurable cost savings.

**WPS Benefits Include:**
- Reduced cycle times
- Reduced contamination and tooling cost
- Reduced energy consumption
- Cleaner grinding operations
- Elimination of variability

For more information and to schedule a consultation with a WPS expert visit: weilerabrasives.com/wps

**INDUSTRIAL ROLL GRINDING WHEELS**

- **For efficient flute grinding applications up to 63 m/s.**

**Spring Grinding**

A revolutionary solution in cost reduction for spring grinding applications up to 63 m/s.

**Fluted Grinding**

For a more efficient shaping & grinding of springs, investment cast and iron bimetals.

**Hot Pressed Grinding**

For your most challenging bell tooth and spring conditioning applications.

**Bearing Grinding**

For efficient grinding requirements in bearing applications.

**Super Abrasive Hybrid Wheels**

For CBN production of tougher carbide tools.

**Diamond CNC**

For efficient grinding of carbides in the manufacturing of tungsten carbide cutting tools.

**Diamond and CBN**

For efficient grinding of carbides in the manufacturing of tungsten carbide cutting tools.

**Vitrified or Resin Bonded**

The highest level of grinding automation for production and OD grinding applications.

**Production Solution**

We offer a full line of vitrified & resin bonded grinding wheels and super abrasive products.

**ASK THE EXPERTS**

We offer a full line of vitrified & resin bonded grinding wheels and super abrasive products.

**ASK THE EXPERTS**

We offer a full line of vitrified & resin bonded grinding wheels and super abrasive products.
World-class capabilities that deliver...

- Best in class lead-times
- Extensive R&D capabilities
- New platform technologies
- Advanced production capabilities
- Unrivaled safety tolerance
- Green footprint
- On-site technical support

We offer a full line of vitrified & resin bonded grinding wheels and super abrasive products for companies throughout the world. These are a few of our global partners:

- Timken
- Outokumpu
- Gleason
- Bosch
- Eaton
- Kennametal
- ArcelorMittal
- Rio Tinto
- Associated Spring
- Volkswagen
- Gerdau

Tools.

For efficient flute grinding...
World-class capabilities that deliver...

- Best in class lead-times
- Extensive R&D capabilities
- New platform technologies
- Advanced production capabilities
- Unrivaled safety tolerances
- Green footprint
- On-site technical support

We offer a full line of vitrified & resin bonded grinding wheels and super abrasive products.

**METAL CONDITIONING WHEELS**

Weiler specializes in designing high performance conditioning wheels for stainless steel, specialty alloy, carbon steel and stainless applications.

These wheels remove hard oxide scales formed in the process of casting slabs, ingots and bars in primary metal facilities.

**PRODUCTS:**
- 30” Hot Press Metal Conditioning Wheels
- 24” & 25” Hot Press Metal Conditioning Wheels

**TESTED PROVEN WEALEr WHEELS ARE MORE EFFICIENT**

GET 20% MORE FOR YOUR MONEY

**GRINDING COSTS**

- MILL 1
- MILL 2

**WPS Benefits Include:**
- Elimination of process variability
- Elimination of rejections and rework
- Elimination of bottlenecks
- Reduced work in process
- Documented cost savings
- Reduced energy consumption
- Reduced tool cost savings
- Reduced work in process

*Results will vary based on application and operating parameters.

30” – 42” Hot & Cold Mill Roll Grinding Wheels

**INDUSTRIAL ROLL GRINDING WHEELS**

Weiler produces wheels for grinding new rolls just delivered to the mill and for grinding worn rolls coming out of the mill. Our hot mill and cold mill wheels are designed to maximize your process efficiency and cost savings.

We can design wheels for specific roll types and materials or wheels that provide maximum flexibility in order to be effective across your whole range of roll types and materials.

**PRODUCTS:**
- Resin and vitrified bonded wheels rated for peripheral speed ranging from 25 to 63 m/s (5000 to 9800 SFPM)
- For hard specialty materials such as ASP and WIDIA, we offer super abrasive wheels with CBN and DIAMOND abrasives in sizes up to 762mm in diameter

**“I consider Weiler to be a long-term partner. Their history of meeting our specific application needs has been world-class.”**

Gary S. General Manager, Rolling Operations

**ASK THE EXPERTS**

Weiler Process Solutions (WPS) is a structured application engineering program designed to provide Weiler customers and engineering support to identify value added cost savings opportunities in their respective processes.

WPS is a comprehensive process where our expert application engineers assess a specific process in order to identify improvement opportunities resulting in quantifiable cost savings.

**WPS Benefits Include:**
- Elimination of bottlenecks
- Elimination of rejects and rework
- Reduced work in process
- Documented cost savings
- Reduced energy consumption
- Reduced tool cost savings

For more information and to schedule a consultation with a WPS expert visit: weilerabrasives.com/wps

**Diamond CNC Pile Grinding**

For efficient flame grinding in the manufacturing of large metal casting tools.

**Vitrified or Resin Bonded**

The highest level of grinding performance for precision and 2-D grinding applications.

**Spring Grinding**

A revolutionary solution in cost reduction for spring grinding applications up to 63 m/s.

**Fluxless Snagging**

For a more efficient and environmentally friendly condition of hard and iron bearing materials.

**Super Abrasive Hybrid Bonds**

For efficient super abrasive grinding of tungsten carbide tool materials.

**Hot Pressed Conditioning**

For your most challenging finishing and internal conditioning applications.

**High Performance Roll Grinding**

For production grinding and finishes of coil and bar mill rolls.

**Gear Grinding**

For precision gear grinding applications ranging from Hobacker for Ringingbear and everything in between.
World-class capabilities that deliver...

- Best in class lead-times
- Extensive R&D capabilities
- New platform technologies
- Advanced production capabilities
- Unrivaled safety/tolerance
- Green footprint
- On-site technical support

We offer a full line of vitrified & resin bonded grinding wheels and super abrasive products for companies throughout the world. These are a few of our global partners:

- Timken
- Outokumpu
- Gleason
- Bosch
- Eaton
- ArcelorMittal
- Rio Tinto
- Associated Spring
- Volkswagen
- Gerdau

For efficient flute grinding in the manufacturing of left hand steel, specialty alloy, carbon steel and stainless applications. These wheels remove hard oxide scale formed in the process of casting slabs, ingots and bars in primary steel production facilities.

**PRODUCTS:**

- 36” Hot Press Metal Conditioning Wheels
- 24” & 25” Hot Press Metal Conditioning Wheels

**TESTED: PROVEN: WEILER WHEELS ARE MORE EFFICIENT. GET 20% MORE FOR YOUR MONEY**

<table>
<thead>
<tr>
<th>GRINDING COSTS</th>
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<tr>
<td>MILLING</td>
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<td>COST</td>
<td>300</td>
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**DOE PROVEN WHEELS ARE MORE EFFICIENT.**

- 20% improvement in total material removal per wheel
- 30% eliminated of need for clean-up finish passes
- Surface finish improvement to Ra=55 in roughing cycle resulting in the elimination of need for cleanup finishes
- 20% reduction in cost reduction for spring grinding optimization

Stainless Steel Conditioning Case Study:

- Roughing operation roll wheelcommon on 36” in head structure
- Operating requirement: No allowance for downtime or spindle damage due to wheel failure
- 20% improvement in total material removal per wheel
- Surface finish improvement to Ra=55 in roughing cycle resulting in the elimination of need for cleanup finishes

INDUSTRIAL ROLL GRINDING WHEELS

Weiler produces wheels for grinding new rolls just delivered to the mill and for grinding worn rolls coming out of the mill. Our hot roll and cold roll wheels are designed to maximize your process efficiency and cost savings.

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**PRODUCTS:**

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- For hard specialty materials such as ASP and WIDIA, we offer super abrasive wheels with CBN and DIAMOND abrasives in sizes up to 762mm in diameter.
- 48” – 72” Hot & Cold Mill Roll Grinding Wheels

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WPS is a comprehensive process where our expert application engineers assess a specific process in order to identify improvement opportunities resulting in measurable cost savings.

**WPS Benefits Include:**

- Reduced cycle times
- Reduced down time and holding cost
- Reduced energy consumption
- Increased throughput
- Elimination of variability
- Elimination of production variability

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