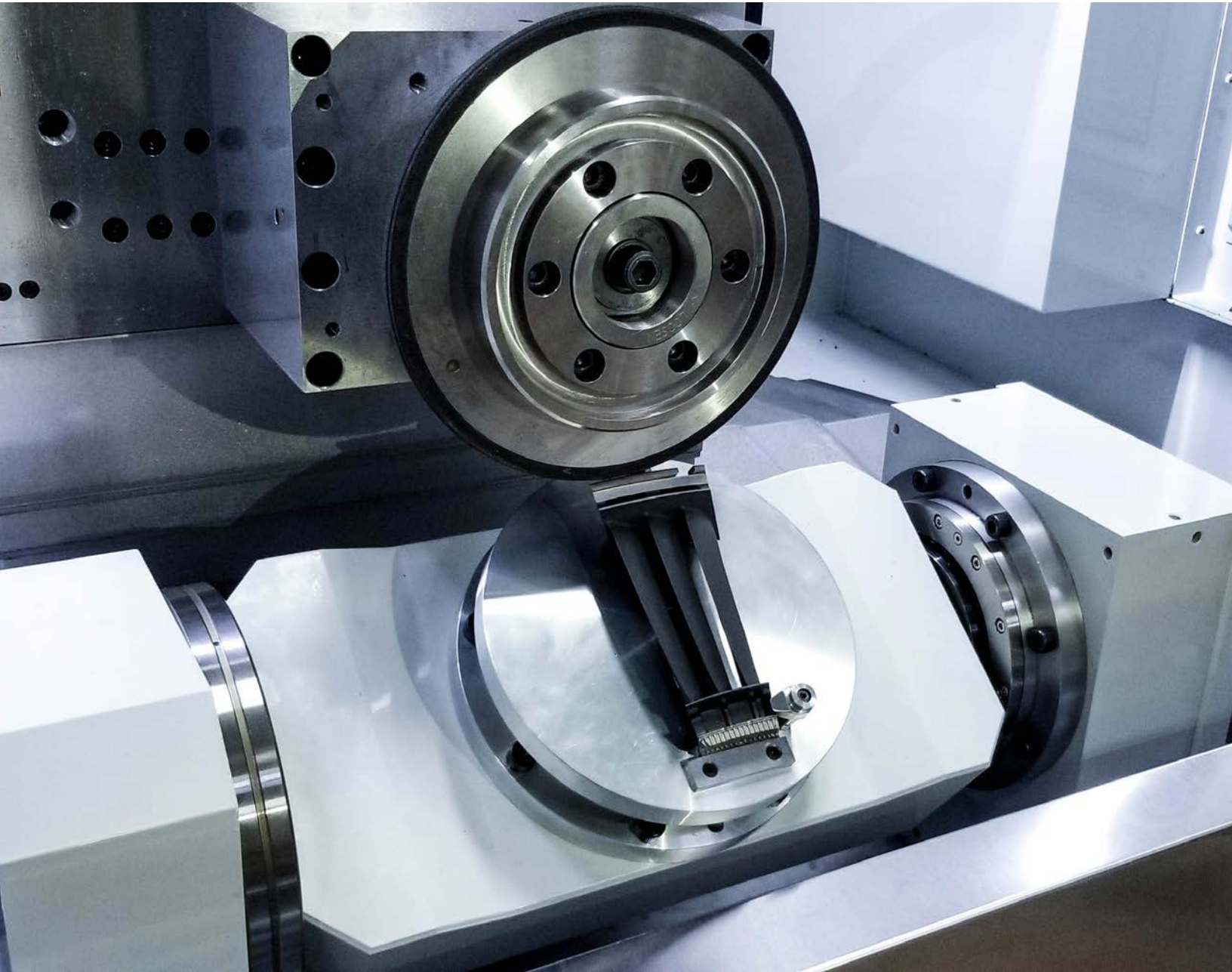


# BASARAN

GRINDER

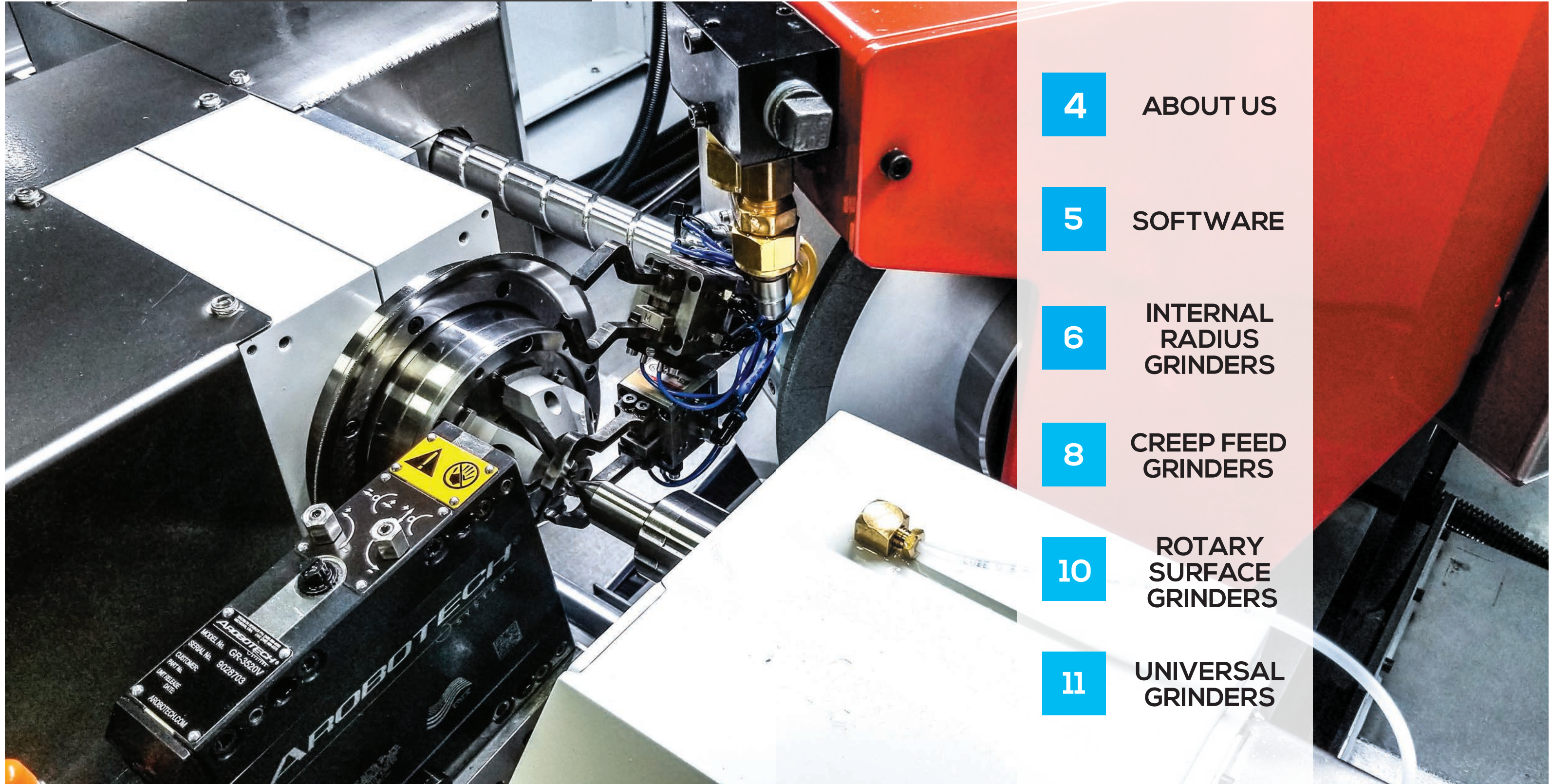


PRECISION GRINDING MACHINES

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



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## Who We Are

Basaran Grinder Corp. has become one of the fastest growing grinding machine solution providers. Basaran began building world-class grinding machines with the 400IR as the flagship model. Due to the tremendous success of the 400 IR, our machine portfolio quickly transformed into a variety of over 32 different models. This was due to new investment in manufacturing capacity, combined with a patented new MMC (Modular Machine Concept) developed together with MIT professionals.

In addition to building the machine of your dreams, Basaran Grinder Corp. is also one of the finest solutions providers-delivering turnkey systems for automated grinding, inspection, and data gathering.

It has been our philosophy to provide the best possible product at the best possible price. In order to achieve this, we control the manufacturing of spindles, drives, and even CNC controls. All software development is done in-house and is customized to fit your needs. We have done the hard part so you can focus on your business.

The know-how, dedication, and commitment of our employees are the backbone of our company. Over the years, our relationship with customers has been like family. We welcome you to join our family.



## Why Choose Us?

### Better engineering, better results

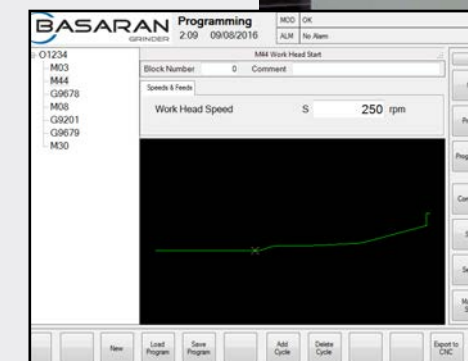
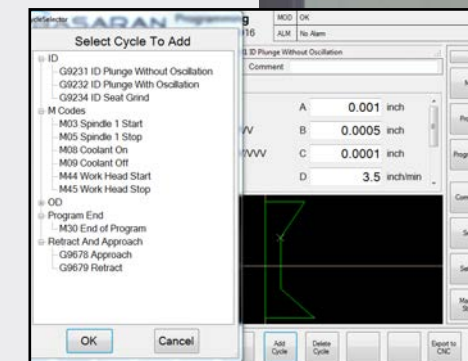
- Basaran has assembled a team of excellent engineers who have many years of experience designing and developing machine-tool systems. From the diverse backgrounds of our engineers, Basaran can offer a wealth of talent and skills for your projects.
- Personnel training and troubleshooting are the keys to industrial production efficiency. Our local service team will help train your plant personnel on the operation and troubleshooting of the machines by regular, on-site visits.
- Pre-sales consultation and after-sales follow-up are crucial for a project's success. Our company is made up of a group of professionals with integrity and sense of responsibility.
- High-quality one-stop solution will guarantee you the value of your investment.
- As a long-term reliable friend, we are dedicated to solving any problems of our clients without hesitation.

**We improve your productivity, eliminate your waste, and maximize your profitability!**

## iCAN Grind Universal Software from BASARAN GRINDER

iCAN Grind – the future-proof user interface from BASARAN GRINDER – has been enhanced with new features. We will deliver a wide range of new functions and improvements to increase the effectiveness of your production processes. The latest version of iCAN Grinder Software contains a total of 40 functional upgrades and improvements which will also make the software even easier and more intuitive to use.

- > Ask us about our custom Language Options
- > Our goal is to have the software fit your application







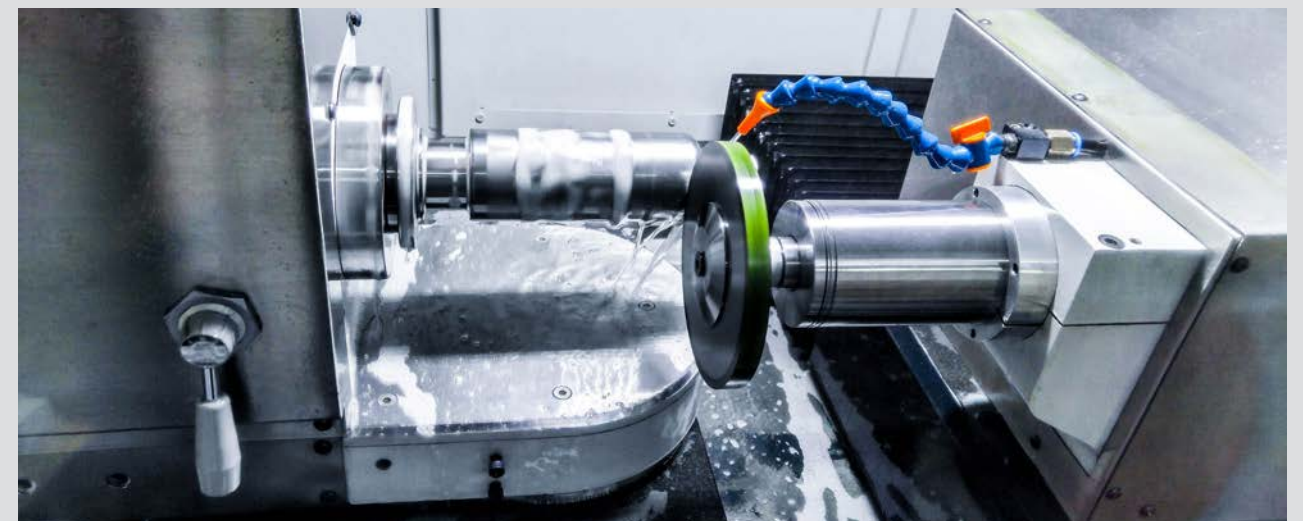
The BT Series Grinders offer the best stiffness and vibration characteristics out of any grinder in its class. All models in the BT Series come standard with solid granite bases. The optimized machine structure also increases stability during grinding. The performance of the four models in the BT series is outstanding and unmatched. With a high degree of manufacturing flexibility, we can tailor any model to your specific needs. One major change you will notice in the all the new BT Series Grinders is the amount of space you will save. All models come with our **latest compact design**.

CHARACTERISTICS	BT-150IR	BT-250IR	BT-450IR	BT-650IR
Grinding Length	150mm	250mm	450mm	650mm
Max Grinding Dia.	150mm	450mm	450mm	650mm
Max Radius	250mm	450mm	450mm	650mm
Weight (lbs)	7,000	11,000	11,000	15,000
LxWxH (inches)	60"x60"x60"	60"x90"x60"	60"x90"x60"	70"x110"x70"

## FEATURES

- > Granite Bed
- > Special polymer concrete base for exceptional damping
- > High precision preloaded linear slides with ball screw or linear motor drive options
- > Latest FANUC controller with full software Package
- > C-Axis interpolation
- > Easily customizble
- > Compact Design
- > Integrated tooling cabinet

# BT SERIES INTERNAL RADIUS GRINDERS







The Basaran BCF series Creepfeed Grinders offers excellent value and performance in a small package. Manufactured from natural granite, the BCF is the world's first Creep Feed Grinder to utilize this technology. The benefits of using granite include thermal stability, vibration dampening, and accuracy. Day-in and day-out, the BCF produces consistent parts with high accuracy.

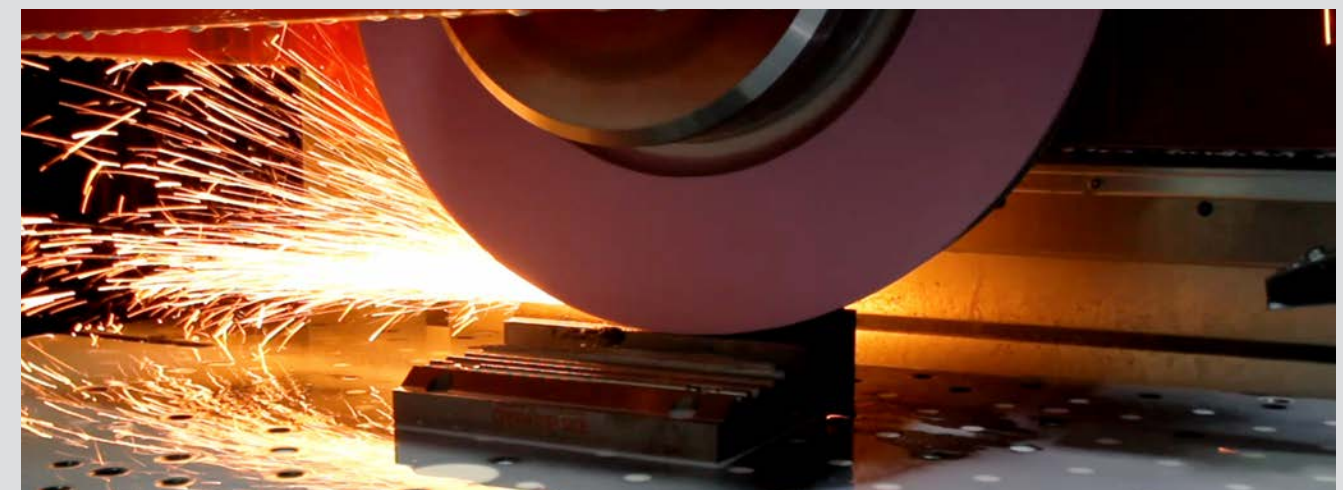
CHARACTERISTICS	BCF-1400	BCF-500
X-Axis Travel	1400mm	500mm
Y-Axis Travel	800mm	250mm
Z-Axis Travel	400mm	250mm
Weight (lbs)	45,000	12,000
LxWxH (inches)	117"x143"x135"	70"x90"x70"

## FEATURES

- > Heavy-Duty GRANITE machine base
- > Up to 16,000 sfpm grinding capability with CBN grinding wheels
- > High precision linear scales for 0.01 micron resolution accuracy for X, Y, Z, V-Axis
- > 75 kW [100 HP] spindle motor, directly coupled
- > Grinding process monitoring and crash detecting capability
- > Continuous over the wheel diamond roll dressing capability
- > FANUC CNC control with linear and circular interpolation capability for contour grinding

# BCF SERIES

## CREEP FEED GRINDERS





# BHR-500-CNC

## ROTARY SURFACE GRINDER



The BHR-500 CNC Rotary Surface Grinder offers a rigid and robust surface grinding solution paired with an easy-to-use programming interface. It features a 20" magnetic chuck built on a very sturdy, stable granite structure and uses state-of-the-art polymer concrete for extreme dampening capability. Stiffness and accuracy are the two main reasons why our customers choose this platform for their grinding needs. Because of its very high rigidity, this machine is well suited for grinding tough materials such as CBN, PCD, or Carbide.



CHARACTERISTICS	BHR-500
X-Axis Travel	250mm
Z-Axis Travel	300mm
Magnetic Chuck Dia.	500mm
Weight (lbs)	10,000
LxWxH (inches)	113"x36"x50"

# BT-500RU

## UNIVERSAL GRINDER



The BT-500RU Universal ID/OD grinder offers great value with a wide variety of available options. The BT-500RU can be ordered with up to four (4) different stations ranging from ID spindles, OD spindles, probing, gaging, deburring, and even automation. It is truly a versatile machine that can be configured at the time of order or in the field. The travelling wheelhead design is also a very desirable feature as it allows the machine's footprint to be extremely small.



CHARACTERISTICS	BT-500RU
X-Axis Travel	250mm
Z-Axis Travel	700mm
Max Chucking Dia.	250mm
Weight (lbs)	11,000
LxWxH (inches)	72"x80"x60"

The logo features a stylized 'B' formed by two curved lines, one above and one below, with a solid black dot at the bottom left. To the right of this symbol, the word 'BASARAN' is written in a large, bold, sans-serif font. Below 'BASARAN', the word 'GRINDER' is written in a smaller, bold, sans-serif font. A thick horizontal black bar extends from the right side of the word 'GRINDER' across the page.

# BASARAN

GRINDER

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