



**WEIJING®**

**Casting Grinder**



**SUZHOU WEIJING AUTOMATION CO., LTD**



## WEIJING >>>

WEIJING AUTOMATION, established in 2008, is a foundry machine manufacturer dedicating to provide professional machines, services and solutions with premium quality and competitive price for global foundries.

WEIJING has two premises. One is in Suzhou, another is in Jining. Total area is up to 9000 SQM.

WEIJING foundry machines covers degating wedge, runner cutter/breaker, degating hammer, CNC grinding machine, Auto tilting pouring machine and Auto molten metal transferring machine.

By Jan 1st. 2026, WEIJING already provided 1244 wedge breakers, 66 runner cutters, 241 degating hammers, 505 grinding machines, 91 pouring machines and 29 transporting machines to worldwide foundries, which already cover up to 31 countries.

Positive action, honest communicating, transparent collaboration, is WEIJING Conduct Code.

WEIJING people firmly believe from the heart THE MATCHED IS THE BEST.

## Patents >>>



## Certificates >>>



Suzhou premises



Jining premises



**WEIJING®**

## Auto Grinding Machine

2 axis grinding machine customized to debur round parts



CNC grinding machine with loading capacity from 20 kg to 200 kg







**WEIJING®**

## 2 Axis Grinder for Round Castings

**GII1540**



### Introduction

Weijing 2 axis grinding machine with 2 grinding stations is designed to fettle the ingates, parting lines and flashes on the round surface of round castings.

Grinding sparks are covered for better safety.

Diamond wheel saves time cost of grinding wheel replacement.

Repeatable grinding accuracy is controlled by 4 position sensors.

Safer, faster, more repeatable and controllable than manual grinding.

### Casting requirements

Material: iron castings

Shape: round castings

Casting Diameter: 95-380 mm

Casting Height < 170 mm, grinding areas/parting lines height < 70 mm

Casting Weight: < 30 Kg

Gate areas: up to 1000 mm<sup>2</sup> (could be removed once by two grinding station in total)

Typical examples: brake disc castings, auto flywheel casting

If your casting diameter is down to 80 mm or up to 460 mm, please tell Weijing in advance, Weijing can customise the machine for you without any extra cost.



## GV120



Items	Parameters
Casting size requirements	Turning radius: up to 175 mm, Part height: up to 200 mm
Casting weight requirements	Part weight: up to 20 KG Total loading capacity is up to 25 kg
Big grinding wheel size	Diamond wheel $\Phi 305 \times T12 \times \Phi 80$
Big grinding wheel driving motor	3.7 KW (AC servomotor drive)
Small grinding wheel driving motor	3.5 KW high speed
Big wheel tilting angle up to	105° (NC control drive)
Axis quantity of NC control driving motor	6 axes AC servo
Total power capacity	14 KVA
Machine size	L2141*W1864*H2340 mm
Machine weight	2085 KG
Features & benefits	1, suitable to fettle small size parts. 2, complete CNC programing system and manual teaching mode, quite easy to learn and operate. 3, one people can operate two machines to improve productivity.

## GV130



Items	Parameters
Casting size requirements	Turning radius: up to 250 mm, Part height: up to 250 mm
Casting weight requirements	Part weight: up to 30 KG Total loading capacity up to 40 KG
Big grinding wheel size	Diamond wheel $\Phi 355 \times T12 \times \Phi 80$
Big grinding wheel driving motor	5.5 KW (AC servomotor drive)
Small grinding wheel driving motor	3.5 KW high speed
Big wheel tilting angle up to	120° (NC control drive)
Axis quantity of NC control driving motor	6 axes AC servo
Total power capacity	17 KVA
Machine size	L2555*W2120*H2588 mm
Machine weight	2554 KG
Features & benefits	1, suitable to fettle middle size parts. 2, complete CNC programing system and manual teaching mode, quite easy to learn and operate. 3, one people can operate two machines to improve productivity.

## GV230



Items	Parameters
Casting size requirements	Turning radius: up to 250 mm, Part height: up to 300 mm
Casting weight requirements	Part weight: up to 30 KG Total loading capacity up to 40 KG
Big grinding wheel size	Diamond wheel $\Phi 355 \times T12 \times \Phi 80$
Big grinding wheel driving motor	7.5 KW (AC servomotor drive)
Small grinding wheel driving motor	3.5 KW high speed
Big wheel tilting angle up to	120° (NC control drive)
Axis quantity of NC control driving motor	7 axes AC servo
Total power capacity	21 KVA
Machine size	L3030*W2122*H2545 mm
Machine weight	3840 KG
Features & benefits	1, suitable to fettle middle size parts. 2, complete CNC programing system and manual teaching mode, quite easy to learn and operate. 3, AB two pallets could be used for fettling two different parts.

Notes: for ensuring the absolutely right machine for you, please send 3D drawings of your parts to WEIJING for double checking first. Thanks for your cooperation.  
Since WEIJING continues improving the machine, so the final you receive could be different with on this brochure, but definitely it will be better.



**WEIJING®**

# CNC Grinding Machine

## GV270



Items	Parameters
Casting size requirements	Turning radius: up to 350 mm, Part height: up to 400 mm
Casting weight requirements	Part weight: up to 70 Kg Total loading capacity up to 90kg
Big grinding wheel size	Diamond wheel $\Phi 405 \times T12 \times \Phi 80$
Big grinding wheel driving motor	7.5 KW (AC servomotor drive)
Small grinding wheel driving motor	6 KW high speed
Big wheel tilting angle up to	120° (NC control drive)
Axis quantity of NC control driving motor	7 axes AC servo
Total power capacity	31 KVA
Machine size	L3948*W2223*H2953 mm
Machine weight	6210 KG
Features & benefits	1, suitable to fettle big size parts. 2, complete CNC programing system and manual teaching mode, quite easy to learn and operate. 3, AB two pallets could be used for fettleing two different parts. 4, equipped with hoisting to move heavy parts for workload saving and high productivity.

## GV2100



Items	Parameters
Casting size requirements	Turning radius: up to 500 mm Part height: up to 400 mm
Casting weight requirements	Part weight: up to 100 kg Total loading capacity up to 120kg
Big grinding wheel size	Diamond wheel $\Phi 355 \times T12 \times \Phi 80$
Big grinding wheel driving motor	7.5 KW (AC servomotor drive)
Small grinding wheel driving motor	6 KW high speed
Big wheel tilting angle up to	120° (NC control drive)
Axis quantity of NC control driving motor	7 axis AC servo
Total power capacity	31 KVA
Machine size	L4528*W2920*H2922 mm
Machine weight	6420 KG
Features & benefits	1, suitable to fettle big size parts. 2, complete CNC programing system and manual teaching mode, quite easy to learn and operate. 3, AB two pallets could be used for fettleing two different parts. 4, equipped with hoisting to move heavy parts for workload saving and high productivity.

## GH160



Items	Parameters
Casting size requirements	Turning radius: up to 300 mm, Part height: up to 300 mm
Casting weight requirements	Part weight: up to 150 KG Total loading capacity up to 200 KG
Big grinding wheel size	Diamond wheel $\Phi 355 \times T12 \times \Phi 80$
Grinding wheel driving motor	9.6 KW (AC servomotor drive)
Big wheel tilting angle up to	180° (NC control drive)
Axis quantity of NC control driving motor	5 axes AC servo
Total power capacity	26 KVA
Machine size	W3690*D3070*H2530 mm
Machine weight	8500 KG
Features & benefits	1, horizontal bed born for heavy grinding work. 2, complete CNC programing system and manual teaching mode, quite easy to learn and operate. 3, equipped with hoisting to move heavy parts for workload saving and high productivity.

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## GH260



Items	Parameters
Casting size requirements	Turning radius: up to 300 mm Part height: up to 300 mm
Casting weight requirements	Part weight: up to 150 KG Total loading capacity up to 200 KG
Big grinding wheel size	Diamond wheel $\Phi 355 \times T12 \times \Phi 80$
Grinding wheel driving motor	9.6 KW (AC servomotor drive)
Big wheel tilting angle up to	180° (NC control drive)
Axis quantity of NC control driving motor	7 axes AC servo
Total power capacity	27 KVA
Machine size	W3210*D2440*H2800 mm
Machine weight	9600 KG
Features & benefits	1, horizontal bed born for heavy grinding work. 2, complete CNC programming system and manual teaching mode, quite easy to learn and operate. 3, equipped with hoisting to move heavy parts for workload saving and high productivity.

## GR275



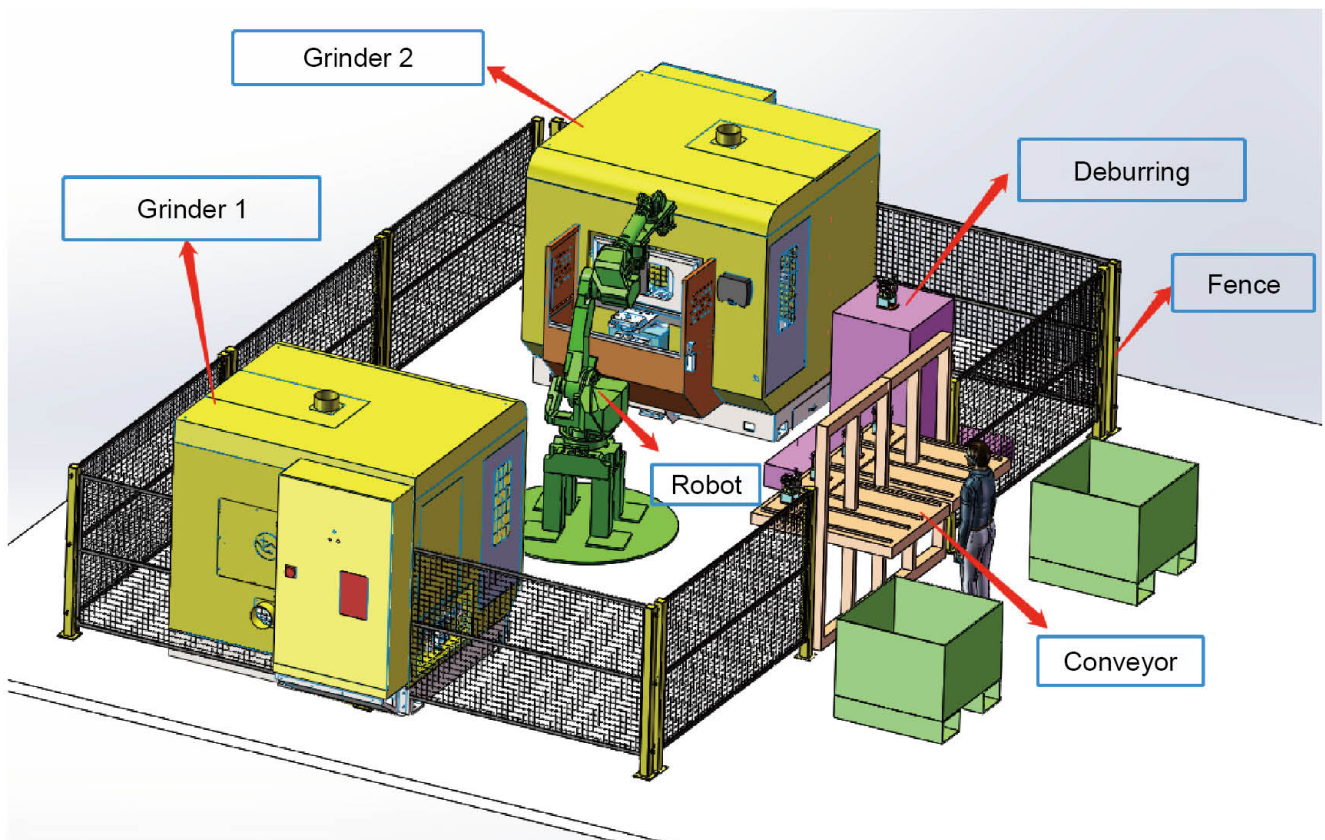
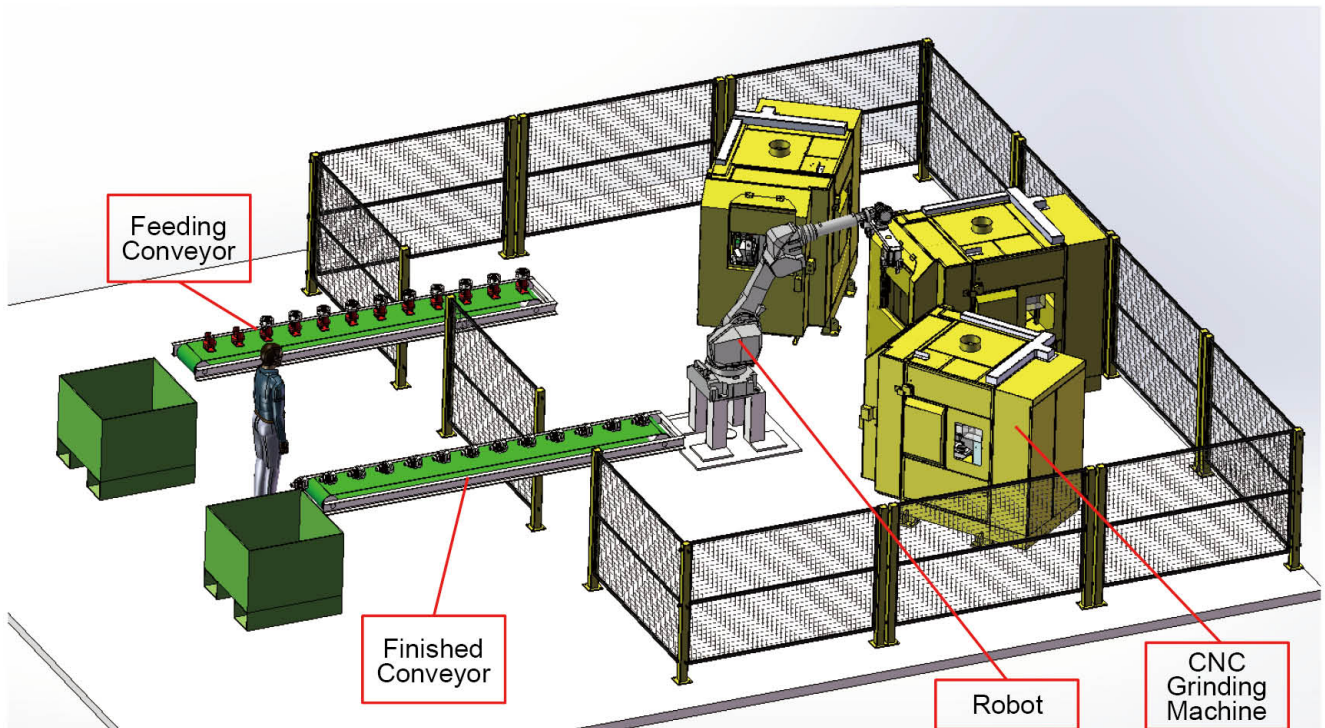
Items	Parameters
Casting size requirements	Turning radius: up to 400 mm Part height: up to 550 mm
Casting weight requirements	Part weight: up to 150 KG Total loading capacity up to 200 KG
Big grinding wheel size	Diamond wheel $\Phi 305 \times T12 \times \Phi 80$
Grinding wheel driving motor	9.5 KW (AC servomotor drive)
Repeated Accuracy	$\pm 0.02$
Axis quantity of NC control driving motor	8 axes AC servo
Total power capacity	36 KVA
Machine size	W4390*D2351*H2976 mm
Machine weight	6000 kg
Features & benefits	1, robot carrying tools, part on rotating fixture, born for best flexibility. 2, complete CNC programming system and manual teaching mode, quite easy to learn and operate. 3, equipped with hoisting to move heavy parts for workload saving and high productivity.

## Options:

- 1, laser detecting system can help to avoid wrong similar part putting, to select the right tailored program for the same part but with different ingate location, to automatically compensate the program according to variations.
- 2, two small grinding tools for one part having two different small areas to fettle, but only available on GV machines.
- 3, GH machines can install one cutting disc and one grinding wheel if any parts need.

Please check with WEIJING teams case by case if you have above requirements. Thank you

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## Unique features:

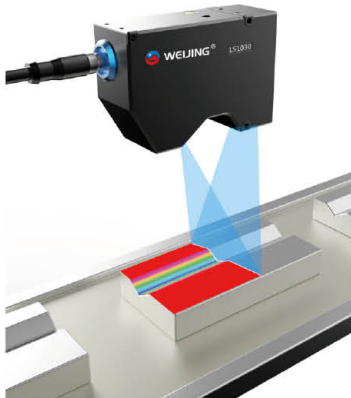
- 1, customized complete CNC programming system, easy to learn, quick to program and modify.
- 2, two physical operation panels avoid wrong operations maximumly, comparing to small touch screens, increase uttermost accurate.
- 3, MST shortcut keys help the operator to program high efficiently.
- 4, 3 ways of programming.

This system supports teaching programming, manual programming, and software programming.

Teaching programming includes features such as rapid positioning, linear feed, and three-point circular mode. Users are guided through the interface and prompted to manually or manually move to the target position. Point coordinates are directly inserted to generate rapid movement, straight line, circular arc, and other machining programs, making it convenient for users to quickly machine without the need to learn G code, saving programming time.

Manual programming methods include programming for machining centers, CNC lathes, etc., which are easy to understand and use, and support macro programming, etc.

Software programming supports UG, Power Mill, caxa, mastercam, etc.



Camera



Laser



Rotator



Air Fixture



Tools





Foundry Name	Location
Anhui Weilong Electric Power Equipment Co., Ltd	China
Bethel Automotive Safety Systems Co., Ltd.	China
Dalian Hengchuan Automotive Parts Co., Ltd	China
Dawn Precision (Ping Shan) Co., Ltd	China
Guangde Yatai Automobile Intelligent Braking System Co., Ltd	China
Jiangsu Minglong Power Technology Co., Ltd.	China
Linfen Economic Development Zone Qianjun Lick Machinery Co., Ltd	China
Liyang Jinqiao Machinery Co.Ltd	China
Ninghai Jinma Casting Co., Ltd	China
Wuxi Zhengjie Mechanical Technology Co., Ltd.	China
Xuan Cheng Chuangxi Casting Co., Ltd	China
TA TALENT INDUSTRIAL CO.,LTD	Taiwan,China
SARL EURO MOTEUR	Algeria
Automatic Foundry Solutions	Brazil
BOTINI	Brazil
FORCAST	Brazil
FUNDICAO VENANCIO AIRES LTD – FAIRES	Brazil
GIROS FUNDICAO	Brazil
Martins Cruz	Brazil
SUPORTE REI	Brazil
MECANICOS UNIDOS	Colombia
CIE	India
HIMCAST	India
Kiswok Industries	India
JMT–Mal metalliks	India
Star Pipe Foundry (India) Pvt. Ltd	India
Unicast foundries	India
FIMEX	Mexico
KONECKIE ZAKLADY ODLEWNICZE SPOLKA AKCYJNA	Poland
Ordon Sp. z o. o. Sp.k	Poland
POLIMET	Russia
RLZ LLC	Russia
FONDINOR	Tunisia
Star Pipe Product	USA
Lioho Automotive Parts Co., Ltd	Vietnam

By Jan 1st, 2026, WEIJING Grinding Machines have covered 11 countries, including Europe and America

# WEIJING GRINDING MACHINE, YOUR WISE CHOICE



## Suzhou Weijing Automation Co., Ltd

Address: Building 9th, No. 156, Xinyang Avenue, Chuangjin  
Industrial Park, Changshu, Suzhou, China

Tel: +86 0512- 5153 7059

Fax: +86 0512- 5153 7059

Mobile: +86 153 0612 4775

E-mail: [roc.hang@weijingsz.com](mailto:roc.hang@weijingsz.com)

Website: [www.weijingsz.com](http://www.weijingsz.com)



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