

PALMARY

COMPANY PROFILE

PROFESSIONAL
GRINDING MACHINE
MANUFACTURER

PRODUCTION

CENTERLESS GRINDER

CYLINDRICAL GRINDER

INTERNAL GRINDER

VERTICAL GRINDER

SURFACE GRINDER

SPECIAL PURPOSE GRINDER

PRECISION

PERFECTION

EXCELLENCE

PALMARY

PALMARY MACHINERY CO., LTD.

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ISO 9001



0063



MESSAGE



Our company was named **PALMARY** which stands for:

- Excellent, Outstanding
- The most important, the highest value.

The **PALMARY** team concentrates on the following work since established:

- Products make with high accuracy and always keep improving quality. Our grinding machines equip with fine accessories, with good appearance, have widely model range, which make us different from other Taiwanese same product makers.
- Carry out the "TQM (Total Quality Management)" policy.
- Execute education of "Lean Production" rule. Focus on details and concentrate on data basis experiment. Ask employee to take the responsibility for increasing efficiency and decreasing waste, these concepts are "Lean Production" rule.

Work with our Core Value "Honesty, Innovation, Quality, Service, Lean production, Teamwork" and carry through business concepts, inherit the inherent craft technique, develop high technical ability, and devote to employees training project.

Therefore, **PALMARY** could provide all kinds of service with well trained employees. Take "Honesty" as the foundation, from the machine suggested, the sample trial grinding, marketing and after-sales service, is all supported by **PALMARY** team.

Insist on sustainable development of management strategy is our vision. We will keep improving with great effort to achieve the target "being the world top-grade grinding machine manufacturer."

President | **Charles Cheng**

PROFILE

High Quality Grinding Machine Manufacture

We have sold machines to over 40 countries, and we possess over 22 years of production experience. We specialize in manufacturing whole series of high precision grinder machinery, including five core models and customized models: Centerless grinders, internal grinders, cylindrical grinders, vertical grinders, and surface grinders.

We partner

with the **Automotive, Aerospace, Medical, Mould, Mechanical parts, and Green Energy** industries

Palmory has powerful operation capabilities. Because of the affirmation and trust from our clients, our products are everlasting in the global market.

We win confidence from clients through our excellent quality. The core technical skill stems from our strong specialist and R&D teams. Advanced machine performance combined with precision testing equipment, as well as outstanding service, have allowed us to outshine our competitors and succeed in the market.

At present, there are

6985+

precision grinders
over the world.

We manufacture more than

3980+

workpieces

PALMARY CORE VALUE

Business Concept

Satisfy Customer
Gratify Employee
Content Shareholder

Quality Policy

Offer continuous service to customers with professional technicality.
Create mass profits for customers from perfect product.

Slogan

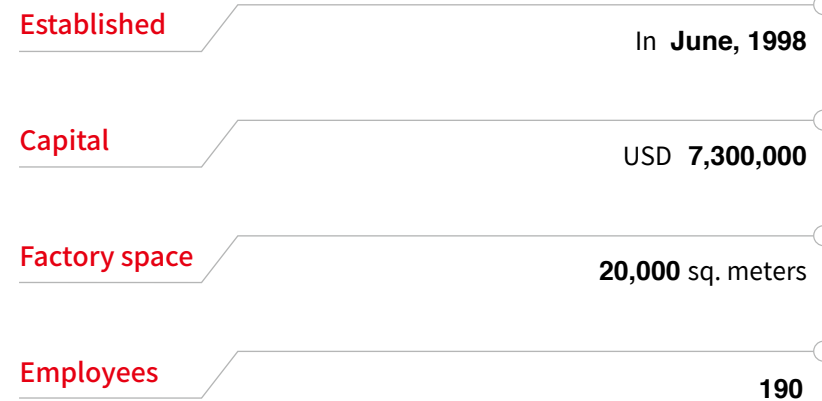
Precision
Perfection
Excellence

Core value

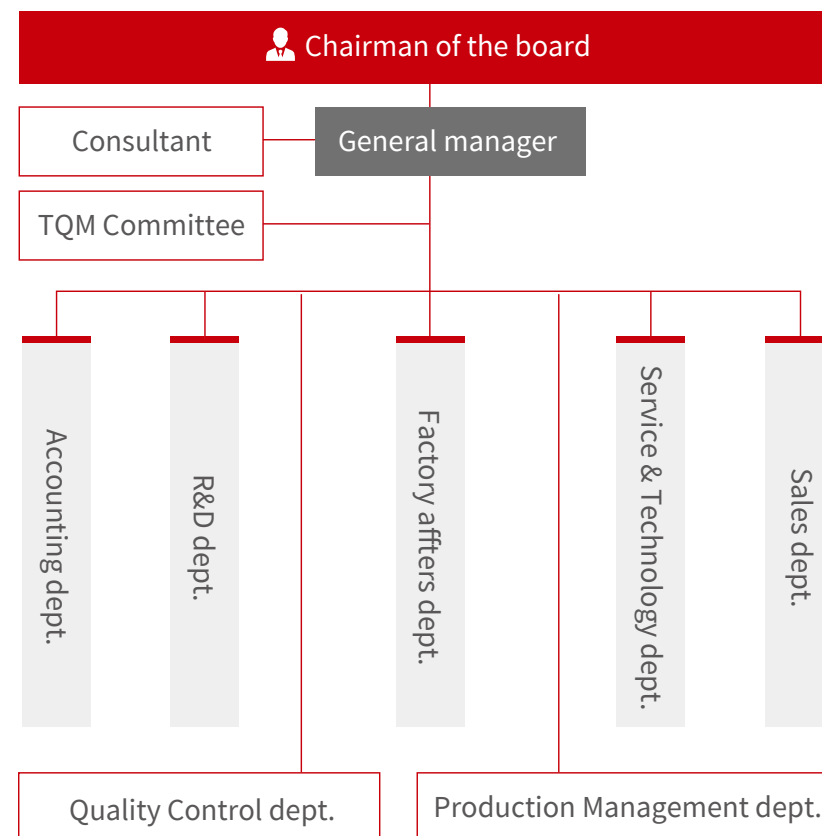
Honesty
Innovation
Quality
Service
Lean production
Teamwork



COMPANY OVERVIEW



► Organization



PALMARY HISTORY

- 1998**
 - The company "PALMARY" was founded in Taichung with capital USD 540,000.
 - Mass production of the Centerless Grinder Economic series.
- 1999**
 - Mass production of the Cylindrical Grinder Economic series.
 - Renamed to be "PALMARY MACHINERY CO., LTD." and capital increased to USD 1,200,000.
 - Acquired the ISO 9002 certificate.
- 2001**
 - Production start of Centerless Grinder & Cylindrical Grinder NC series.
- 2006**
 - PALMARY presents Vertical Grinder CNC small size series (VIG-20).
 - Acquired the EU CE certificate.
- 2007**
 - The capital increased to USD 2,900,000.
 - PALMARY moved to the new factory of 10,000 sq. meters in Dali Industry Area, Taichung.
 - Introduction of the Internal Grinder CNC double spindles series.
 - Introduction of the Cylindrical Grinder CNC angular series.
- 2008**
 - PALMARY presents Cylindrical Grinder CNC CAM series.
 - PALMARY presents Centerless Grinder CNC bearing series.
- 2014**
 - PALMARY presents Cylindrical Grinder CNC model special for spindle grinding.
 - Introduction of the Centerless Grinder CNC bearing single support series.
 - Introduction of the Cylindrical Grinder CNC multi-spindle wheelheads series.
 - Mass production of the Internal Grinder 2NC series.
- 2015**
 - The capital increased to USD 6,100,000.
 - PALMARY presents Centerless Grinder CNC bearing angular approach series.
- 2018**
 - Introduction of the CNC Cylindrical Grinder (OCA-3235H).
 - Introduction of the CNC Centerless Grinder (PCB-6025GF-4).
 - PALMARY received The 21st Rising Star Award.
 - PALMARY received The 17th Golden Hand Award for Outstanding SMEs.
 - CNC Vertical Grinder VIG-50 received The 4th Taichung Industrial Innovation Award.



- 2002**
 - Production start of the Centerless Grinder & Cylindrical Grinder CNC series.
- 2003**
 - Acquired the ISO 9001 certificate.
 - Mass production of the Internal Grinder NC series.
 - Established branch office in Bangkok, Thailand.
- 2004**
 - Introduction of the Centerless Grinder new type & Internal Grinder CNC series.
- 2005**
 - Introduction of the Cylindrical Grinder CNC Angular (plunge grinding) series.
- 2009**
 - Mass production of the Cylindrical Grinder CNC Heavy Duty series.
 - PALMARY presents Vertical Grinder CNC middle size series (VIG-8050).
- 2010**
 - Introduction of the Centerless Grinder CNC Bearing Double Support type series.
- 2012**
 - The capital increased to USD 4,700,000.
- 2013**
 - Introduction of the Centerless Grinder CNC small bearing model special for tap grinding.
 - PALMARY presents Vertical Grinder CNC large size series (VIG-120).
- 2016**
 - The capital increased to USD 7,270,000.
 - PALMARY presents Vertical Grinder CNC middle size series (VIG-50).
 - PALMARY's 2nd new factory of 10,000 sq. meters in Dali Industry Area, Taichung was established.
 - Introduction of the Internal Grinder special for bearing inner dia. & inner groove grinding. (OIG-200S)
- 2017**
 - PALMARY has the new acquisition of member which is TOP WORK INDUSTRY CO., LTD. In order to expand products to tool grinding machine.
 - CNC Vertical Grinder VIG-50 received The 14th National Brand Yushan Award.
 - Introduction of the Centerless Grinder CNC bearing spindle type (PCB-4520).
 - CNC Vertical Grinder VIG-50 received The 89th Poland Mach-Tool Show 2017 Gold Medal Award.
- 2019**
 - PALMARY received the 28th National Award of Outstanding SMEs.
 - Introduction of the Internal Grinder CNC series (OIG-50).
 - CNC Vertical Grinder VIG-50 received The 27th Taiwan Excellence Award.
 - PALMARY received Excellent Trademark Award 2019
- 2020**
 - CNC Cylindrical Grinder OCD-32100CAM received The 28th Taiwan Excellence Award.
- 2021**
 - Introduction of the new CNC Vertical Grinder large size series (VIG-120).

R&D

PALMARY

Innovation | Environment-friendly | High productivity

Reviewing mechanical designs in a different light, meeting detail-oriented requirements, in order to satisfy operating needs.



PRODUCTION & QUALITY



Total Quality Management

Each PALMARY grinding machine passes inspections by **Coordinate Measuring, Roundness Instrument, Profilometer, Surface Roughness Measuring Instrument**, and so on.

To assure total quality, these instruments are checked by periodic calibration.

► Quality Control Checking from Material Selection

Selecting the best by continuous testing is how PALMARY leads in the market and provides optimized products.

► The Finest Flatness Comes from Hand Scraping instead of Machining

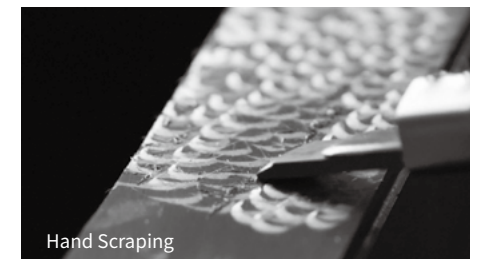
Not only for slides but also for assembling faces, all are proceeded by hand scraping, in order to acquire total accuracy. For high-demanding spindles, each is assembled in house in an air-conditioned environment.

► Flexible Supply Chain Management

Just In Time manufacturing creates successful production flow and controls each process effectively, to manage lead time better.

► Strict Control of Total Quality and Production Flow

PALMARY-made grinding machines are certificated by CE and Type Test. Furthermore, production flow is certificated by ISO 9001:2015; not only for strengthening inner management, but also for customer service, PALMARY always excels.



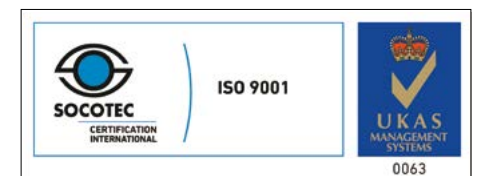
Hand Scraping



CE certificate



The 28th National Award of Outstanding SMEs



“

PALMARY development is based on market demand, communicating effectively with customers, and taking optimized design and environment concerns into consideration.

Overall equipment effectiveness is what customers care for most, and we keep this in mind, always.

PALMARY proposes grinding solutions with total accuracy and cost-friendliness.

”



CNC Vertical Grinder model VIG-50 received The 27th Taiwan Excellence Award.



CNC Cylindrical Grinder OCD-CAM series received The 28th Taiwan Excellence Award.

SERVICE

PALMARY

has exported its products to over **40⁺** countries across **5** continents, creating and extensive

Sales Network All Over The World

“ In the PALMARY production center, we are always dedicated to breaking our own records. ”



MECHANICAL
MAINTENANCE



TECHNICAL
CONSULTING



QUALITY
TESTING



INNOVATION



PRODUCTION



WORKPIECE
GRINDING



AFTER-SALES
SERVICE



EDUCATION
TRAINING

Coherent Service Planning

From model selection, technical consultation proposals, automation evaluation, operator training, machine maintenance, PALMARY provides you with reliable and consistent service planning. Responding to various needs, assisting customers in solving capacity dilemmas.

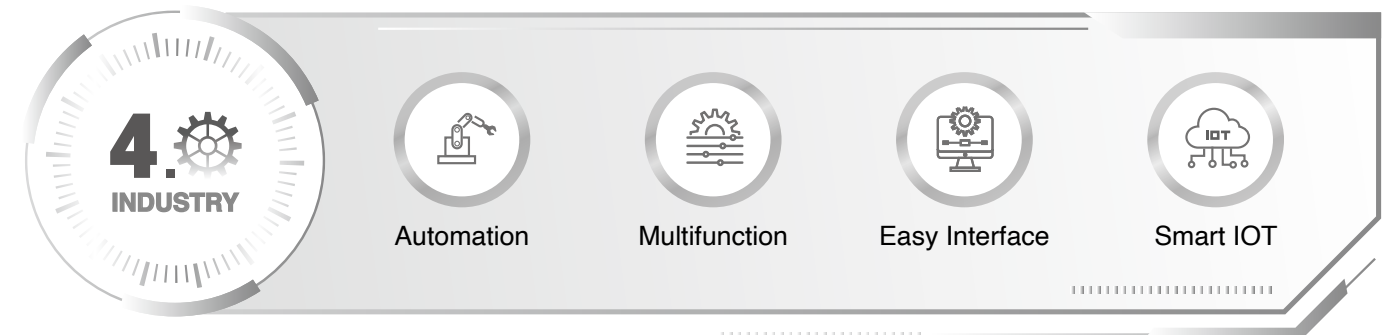
Service center

The scope of services is not limited to Taiwan, and our completed service sales system can quickly and accurately correspond to all regions of the world. We cooperate with foreign sales agents to provide online sales service, real-time support and eliminate customer problems.

Automation Consulting Service Team

PALMARY has many years of experience in automation applications, intelligently the process of the manufacturing supply chain, and assists customers in labor transformation to achieve Industry 4.0 smart machinery manufacturing.

SMART MACHINERY



Grinding Machine Automation Integrated Solution <<<<<<<<



Cylindrical Grinding Machine

OCA-3235H200

Equipped with Gantry Type Robot + Pitch Feeder Auto. Loading and Unloading Attachment



Centerless Grinding Machine

PCB-3010-6

Equipped with Gantry Type Robot + Vibratory Feeder Auto. System



Internal Grinding Machine

OIG-200D

Equipped with Automatic Loading and Unloading with Articulated Type Robot Auto. System



Cylindrical Grinding Machine

OCD-2040 with 3 sets on line

Multi-machine grinder with one set of articulated type robot and feed conveyor. The operation is safe. The transportation distance is shortened, and manpower and material resources are saved.

- Automatic integration with high production capacity, uninterrupted processing. It can also visualize the production history and monitor the grinder signals, allowing the production administrator to effectively control the equipment status and achieve the preventive repair function

PALMARY CENTERLESS GRINDER

CNC Centerless Grinder, for different kinds of workpiece grinding purposes including automatic loading and unloading requirements, the machine has servomotors from 1 to 6 axes depending on the application.

+ High Productivity + Continuous Processing



PCB CNC series Bearing Spindle series [Single bearing holding type]

PCB-3010 | 4520 | 4525 | 6020 | 6025

Grinding Range	Grinding Wheel	Regulating Wheel
Φ0.3 ~ 25	Φ305 x 100 x Φ177.8	Φ205 x 100 x Φ90
Φ1 ~ 80	Φ455 x 205 / 255 x Φ228.6	Φ260 x 205 / 255 x Φ101.6
Φ2 ~ 80	Φ610 x 205 / 255 x Φ304.8	Φ330 x 205 / 255 x Φ152.4

unit:mm



PCB CNC series Bearing Spindle series [Single bearing holding type Double-side slide designed]

PCB-6020GF | 6025GF

Grinding Range	Grinding Wheel	Regulating Wheel
Φ2 ~ 80	Φ610 x 205 / 255 x Φ304.8	Φ330 x 205 / 255 x Φ152.4

unit:mm



PCB CNC series Bearing Spindle series [Double bearing holding type]

PCB-6030 | 6040 | 6050 | 6060

Grinding Range	Grinding Wheel	Regulating Wheel
Φ1 ~ 150	Φ610 x 305 / 405 x Φ304.8	Φ355 x 305 / 405 x Φ203.2
	Φ610 x 510 / 610 x Φ355.6	Φ405 x 510 / 610 x Φ254

unit:mm



FCL CNC series Alloy Bearing Spindle series

FCL-12 | 18 | 1810 | 1812 | 20

Grinding Range	Grinding Wheel	Regulating Wheel
Φ1 ~ 40	Φ305 x 150 x Φ120	Φ205 x 150 x Φ90
Φ1~60	Φ455 x 205 / 255 / 305 x Φ228.6	Φ255 x 205 / 255 / 305 x Φ111.2
	Φ510 x 205 x Φ304.8	Φ305 x 205 x Φ127

unit:mm

GC NC series

GC-4520 | 4525-NC
GC-5020 | 5025-NC



Economic

GC-4520 | 4525
GC-5020 | 5025



Grinding Range	Grinding Wheel	Regulating Wheel
Φ1 ~ 80	Φ455 x 205 / 255 x Φ228.6	Φ255 x 205 / 255 x Φ111.2
	Φ510 x 205 / 255 x Φ304.8	Φ305 x 205 / 255 x Φ127

unit:mm

PC NC series

PC-12 | 18 | 1810 | 1812 S-NC
PC-20 | 24 | 2410 | 2412 S-NC



Economic

PC-12 | 18 | 1810 | 1812 S
PC-20 | 24 | 2410 | 2412 S



Grinding Range	Grinding Wheel	Regulating Wheel
Φ1 ~ 40	Φ305 x 150 x Φ120	Φ205 x 150 x Φ90
Φ1 ~ 80	Φ455 x 205 / 255 / 305 x Φ228.6	Φ255 x 205 / 255 x Φ111.2
	Φ510 x 205 x Φ304.8	Φ305 x 205 x Φ127
Φ1 ~ 100	Φ610 x 205 / 255 / 305 x Φ304.8 / 355.6	Φ305 / 330 x 205 / 255 / 305 x Φ127

unit:mm

PALMARY CYLINDRICAL GRINDER

PALMARY has been devoted to the grinding field for a long time. We keep optimizing not only for grinding know-how but also for manufacturing. PALMARY has excellent manufacturing ability for both light duty and heavy duty cylindrical grinders, which satisfy the various demands of small batches or mass production.

⊕ High Rigidity ⊕ High Quality



OCD CNC series Plunge grinding

OCD-2025 | 2040
OCD-3240 | 3260 | 32100 | 32150 | 32200
OCD-4240 | 4260 | 42100 | 42150 | 42200

Distance between centers	250 / 400 / 600 / 1000 / 1500 / 2000
Swivel over table	Ø200 / 320 / 420
Max. external grinding dia.	Ø200 / 300 / 400

unit:mm



OCD-P CNC series Plunge grinding [with Angular Wheelhead]

OCD-2020P
OCD-3220P | 3240P | 3280P | 32130P
OCD-4220P | 4240P | 4280P | 42130P

Distance between centers	200 / 400 / 800 / 1300
Swivel over table	Ø200 / 320 / 420
Max. external grinding dia.	Ø200 / 300 / 400

unit:mm



OCD CNC series Plunge grinding [Heavy Duty]

OCD-45150 | 45200 | 45300 | 45400
OCD-65150 | 65200 | 65300 | 65400

Distance between centers	1500 / 2000 / 3000 / 4000
Swivel over table	Ø450 / 650
Max. external grinding dia.	Ø420 / 620

unit:mm



OCA-H CNC series Plunge grinding [with special wider grinding wheel]

OCA-3235H | 3265H | 3295H
OCA-3235H200

Distance between centers	350 / 650 / 950
Swivel over table	Ø320
Grinding Wheel	Ø610 x 80(opt.150) x Ø203.2 Ø610 x 200 x Ø203.2

unit:mm

SPECIAL PURPOSE CYLINDRICAL GRINDER



OCA CNC series Angular grinding series [with Angular Wheelhead]

OCA-3235 | 3265
OCD-3235A | 3265A | 4265A

Distance between centers	350 / 650
Swivel over table	Ø320 / 420
Max. external grinding dia.	Ø300 / 400

unit:mm



GU NC series

GU20x40 NC
GU32x60 | 32x100 | 32x150 | 32x200 NC
GU42x60 | 42x100 | 42x150 | 42x200 NC

Distance between centers	400 / 600 / 1000 / 1500 / 2000
Swivel over table	Ø 200 / 320 / 420
Max. external grinding dia.	Ø 200 / 300 / 400

unit:mm



Economic

GU20x40S
GU32x60 | 32x100 | 32x150 | 32x200S
GU42x60 | 42x100 | 42x150 | 42x200S



OCD-E CNC series [for Spindle]

OCD-32100E

Distance between centers	1000
Swivel over table	Ø320
Max. external grinding dia.	Ø280

unit:mm



OCD-CAM CNC series [For various eccentric circle or non-round shape workpieces]

OCD-3225 | 3240CAM
OCD-3260 | 32100CAM

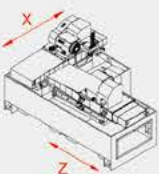

Distance between centers	250 / 400 / 600 / 1000
Swivel over table	Ø320
Max. external grinding dia.	Ø300

unit:mm

INTERNAL GRINDER | VERTICAL GRINDER |
SURFACE GRINDER

Combined with engineering design and user-friendly operation, complete grinding solutions reflect years of experience, allowing the company to provide outstanding services to all major industries.

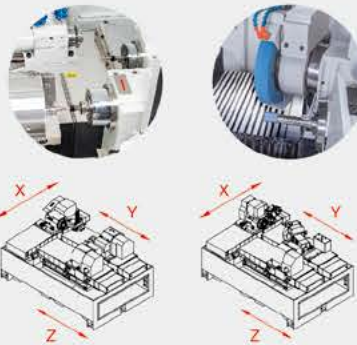

+ User-Friendly + Full Automatic and Multi-function



OIG INTERNAL GRINDER CNC series
[Single wheel spindle]
OIG-200C | OIG-200

Internal grinding range	Max. workpiece length	Max. table traverse	
		X axis	Z axis
Ø100	100	130	270
Ø150	200	480	480

unit:mm




[Double wheel spindles]
OIG-200D | OIG-200DE

Internal grinding range	Max. table traverse		
	X axis	Z axis	Y axis
Ø150	480	480	480
	480	450	310

unit:mm

SPECIAL PURPOSE INTERNAL GRINDER

[Thin-Part grinding]
for Bearing Inner Dia. &
Groove Shoe Center Design




NC series
OIG-200S

Internal grinding range	Max. workpiece length	Max. table traverse	
		X axis	Z axis
Ø6~70	50	130	270
Ø20	40	70	140

unit:mm

[Small I.D. grinding]
High-speed Grinding and
Man-made Mineral Machine Bed



small machine bed design
only same as B1 paper size

CNC series
OIG-50

Internal grinding range	Max. workpiece length	Max. table traverse	
		X axis	Z axis
Ø6~70	50	130	270
Ø20	40	70	140

unit:mm



NC / 2NC series
INTERNAL GRINDER
IG-150-NC | IG-150-2NC

Internal grinding range	Max. table traverse		
	L axis	R axis	Z axis
Ø150	60	70	540
	60	70	400

unit:mm



VIG VERTICAL GRINDER CNC series
VIG-50 | 80 | 120
WITH ATC

O.D. grinding range	Max. I.D. grinding range	Spindle swivel dia.	Traverse	
			X axis	Z axis
Ø38 ~ 500	~Ø199:200 / Ø200~:350	Ø550	970	550
Ø65 ~ 800	~Ø225:275 / Ø225~:500	Ø850	1330	700
Ø65 ~ 1200	~Ø225:275 / Ø225~1200:500	Ø1250	2550	700

unit:mm



CNC series
VIG-2015 | 2015E
WITHOUT ATC

O.D. grinding range	Max. I.D. grinding range	Traverse	
		X axis	Z axis
Ø200	Ø14~200	970	550
		1330	700

unit:mm



PSG Hydraulic | NC series
SURFACE GRINDER
PSG-1545 | 2045 | 2550 | 3060
PSG-4080 | 50100 | 60150 | 70200

Working surface of table	150 x 450 ~700 x 2000
Table speed	manual / 5~25 m / min

unit:mm