

湿式堅型両頭研削盤 Dual Head Vertical Grinders

弊社は、以前より半導体関係、光学機器関係の精密研削盤、また重研削盤ではハネ端面研削盤等を製造していますが、ユーザーのみならず自動車部品の重研削加工を目的とした堅型湿式研削盤のご要望が高まっております。これを請けて数年前より開発に着手し、このたびSGシリーズとして製品化する運びとなりました。

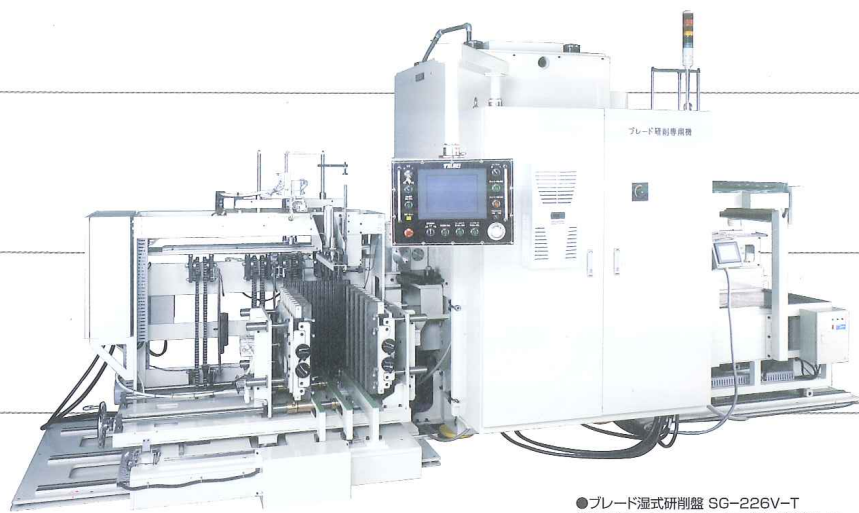
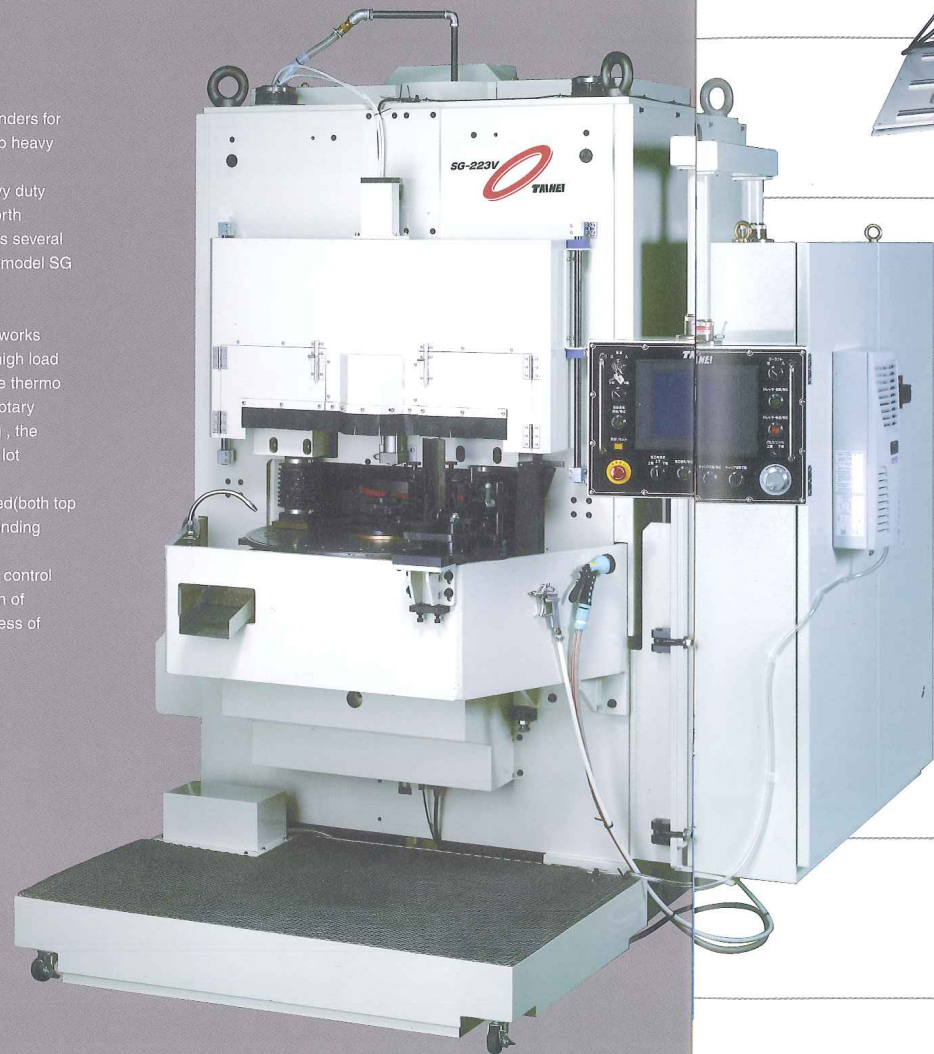
SGシリーズは、湿式で研削を行う事により、高負荷を伴う加工や熱変化を嫌うワークの加工に特に威力を発揮します。また、ロータリーキャリア方式でワークの供給・排出を行い、デジタル方式の制御で、大・中・小いずれかのロットでも対応可能です。また、自動寸装置および基準面自動維持装置により、砥石の自動補正を行うことで厚み精度の維持に貢献します。

Taihei has long been manufacturing precision grinders for semi-conductors and optical instruments and also heavy duty grinders for springs, etc. To cater for increasing demands of wet type heavy duty grinders for automotive components, Taihei set forth research and development works of such grinders several years ago and now Taihei proudly introduces the model SG series heavy duty grinder.

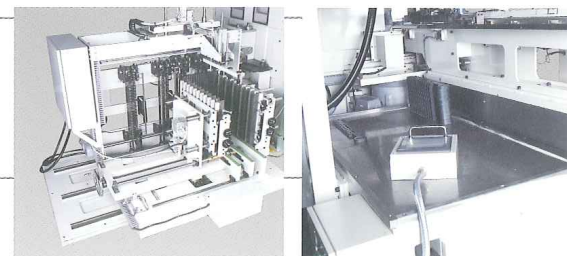
The SG series are designed to make grinding of works under wet atmosphere and is therefore ideal for high load grinding works or for grinding of materials that are thermo sensitive. By adoption of the digitally controlled rotary carrier system for work infeeding and discharging, the grinder is suitable for from small to large quantity lot production.

Rotation of the grinding wheel is inverter controlled (both top and bottom) allowing setting of all conceivable grinding conditions.

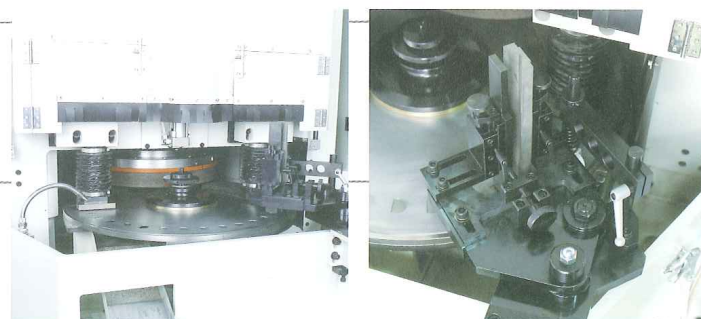
By the automatic sizing device and the automatic control surface maintenance device, automatic calibration of grinding wheel is made to assure constant thickness of materials to be ground.



●ブレード湿式研削盤 SG-226V-T
●Vertical Blade Grinder SG-226V-T



●湿式研削盤 SG-223V
●Vertical Grinder SG-223V



Dual Head Vertical Grinders

SG Series Specification

Model Number		SG-212V	SG-212VSW	SG-223V	SG-223VSW
Type		Rotary carrier type		Double pocket arm drive type	
Specification					
Grinding wheels	O.D. × Thickness	φ 305 (355)mm × 50mm		φ 585mm × 75mm	
	Direction of axis rotational	Positive rotation / Reverse rotation (Switchable)			
Amount of minimum cutting	0.001mm				
Dresser system	Swing arm type				
Range of processing	Maximum O.D.	φ 70mm	φ 135mm	φ 120mm	φ 220mm
	Maximum height ☆	30mm	18~50mm	50mm	18~50mm
carrier plate	O.D.	φ 540mm	---	φ 820mm	---
	Rotational speed	0.5~10rpm	---	0.5~5rpm	---
carrier arm	Turning radius	---	R180	---	R260
	Rotational speed of pocket	---	10~50rpm	---	10~50rpm
Capacity of motor	for Grinding wheel axis	7.5kW*4P*2		22kW*4P*2	
	Upper axis feed	1.0kW AC servo motor		1.5kW AC servo motor	
	Lower axis feed	0.5kW AC servo motor		0.75kW AC servo motor	
	Rotation of carrier	0.2kW AC servo motor		0.2kW Geared motor with inverter control	0.75kW AC servo motor
Machine dimensions (W)*(D)*(H)	1510mm * 1275mm * 2150mm			1800mm * 2450mm * 2580mm	
Machine weight	4200kgs			7500kgs	
Machine installation necessity space	2340mm * 2760mm			2130mm * 3550mm	
Power requirement	3-phase AC200V, 60/50Hz, 40KVA			3-phase AC200V, 60/50Hz, 80KVA	
Control power	Single-phase AC100V/DC24V				
Accessories	Standard tools				

☆①The machine may need to change the specifications by the Workpiece (shape, dimensions, materials, etc.)
☆②VSW type models may be able to process a Workpiece thickness below 18mm, by changing the specifications.
※We may have to change the specification of machines without prior notice.

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