

**NEW**

**Yamato**

**VGT SERIES**

**NEW INTERLOCK STITCH MACHINE**

**NEW IDEAS ON UPGRADED SYSTEM AND PERFORMANCE!**

**New short cylinder bed interlock stitch machine  
with YAMATO's originality and superiority,  
proposed answering to user's demand.**



**MAX. 6,500S.P.M. ITS HIGH SPEED ENSURES HIGHER PRODU**  
 This series is suitable for long sewing operation, such as bottom h  
 T-shirts, besides noise and vibration is more reduced even at high sp



**SEALED UPPER NEEDLE BAR**

**QUICK SWITCH OVER OF NEEDLE STROKE!**

**NEW STITCH PERFORMANCE BY SEALING THE UPPER OF NEEDLE BAR <PATENT PENDING>**

The upper of needle bar is sealed so that no moving parts and no thread eyelet on the needle bar to meet with various safety standards (CE MARKING, PRODUCT LIABILITY LAW) and no oil leakage from the upper of needle bar by sealing it.

**EASY AND QUICK SWITCH OVER OF NEEDLE STROKE! <PATENT PENDING>**

In VG series we introduce an epoch-making system, which needle bar stroke can be switched easily from 31mm to 33mm only by changing the position of eccentric pin on needle bar rod. No more disassembly, then switch over time can be dramatically saved. This superior and unique mechanism is very flexible system, which is suitable for productions with variety in items and even if the weight of material extremely changes, there is almost nothing to do.



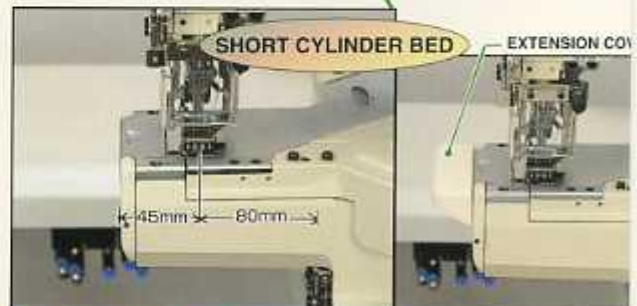
The presser foot of standard model is not only for hemming operation, but also easy to convert to covered seaming operation.

In VG series WALKING FOOT is available on the submodel.



**WALKING FOOT**

This new type presser foot is designed to slide back and forth in co-operation with lower feed dogs movement. And the pressure of presser foot can be set as lower as possible. Therefore, it makes smooth feeding and the effect to prevent twisting during



**SHORT CYLINDER BED**

**EXTENSION COVER**

**SHORT CYLINDER BED**

VG series has a great advantage for all kinds of covered seaming; "SHORT CYLINDER" which is 30mm shorter than conventional from needle drop point to the left side of cylinder. From needle point to the left side of cylinder is only 45mm. Also, by fitting extension cover, it can meet for hemming operation and so on. And from

# LOCK STITCH MACHINE

ACTIVITY!  
Programming of  
speed.



PANA-MINAS

## ■ PANA-MINAS COMPACT MOTOR TYPE

In VG series the submodel fitted with Pana-Minas compact motor is also available.

Pana-Minas motor is compact and mounts directly to the sewing head. This motor eliminates the use of the V-Belt, which creates safer working conditions. Installation is simple and placement of the machine may vary. No variation of RPM's is required because motor speed is programmable.



## ■ NEW FOOT LIFTER SYSTEM

Assembly and adjustment is simplified.

Outer lever system, similar to overlock machines enables you an easy assembly and adjustment without removing top cover.



NEW LOOPER THREAD TAKE-UP CAM SYSTEM



## ■ NEW LOOPER THREAD TAKE-UP CAM SYSTEM < PATENT PENDING >

The cam is located outside, therefore even if the looper thread winds itself round the cam, it is easier to unwind the looper thread from the cam. The threading is more simplified and less maintenance is ensured. The cam can be replaced easily according to its application and purpose, such as a change from the cam for 2 or 3 needle to it for single needle. Also the cam can be prepared as desired matching to particular thread and condition.



FOR ATTACHING COLLARETTE TAPE

## ■ EASY CONVERSION TO THE MODEL FOR ATTACHING COLLARETTE TAPE

Only replacement of front cover and gauge parts enables you to convert the machine from the standard to the model for attaching collarette tape.



NEW LINEAR DIFFERENTIAL FEEDING

MICRO-ADJUSTER


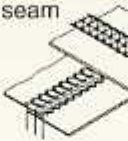
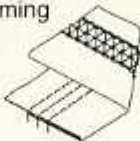



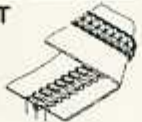



## ■ NEW LINEAR DIFFERENTIAL FEEDING SYSTEM < PATENT PENDING >

In VG series the differential feeding movement is engaged with the main feed similar to overlock machines, therefore the differential feeding ratio is stable even with changing stitch length and there is no need to do re-adjustment. The machine can be easily and quickly prepared to perform condense stitch without any part replacement! By adjusting outer lever, it can be changed the differential feeding ratio and is fitted with micro-

operational one drop tension needle

## NEW INTERLOCK STITCH MACHINE

### THE LIST OF SUBMODEL

SUBMODEL	MAX. SEWING SPEED <S.p.m.> (+with spreader thread)	NEEDLE STROKE (ex factory)	APPLICATION • OUTLINE			
VG2700	6,500 (*6,000)	31mm	General seam	Hemming		
VG2730	5,500 (*5,500)	33mm				
VG2700-WF1	6,500 (*6,000)	31mm	Hemming			
						
VG2703	6,500 (*6,000)	31mm	Attaching collarette tape			
VG2713-T□□	6,500 (*6,000)	31mm	Covering seam	Standard	Light fabric	Tip over covering seam
VG2713-K□□						

### NUMBERING ON MODEL

### VG2713P-156M-T1N/UT-A34/ST2-A/M

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ A B C ⑩

- ① Symbol of series    ② Class No.    ③ Number of needle : 7 = 2 needle and 3 needle    ④ Submodel by application  
 ⑤ Rear Puller : No indication = without puller, P = with puller    ⑥ Spreader thread mechanism : 1 = with spreader thread mechanism  
 ⑦ Needle distance : 32 = 3.2 mm    40 = 4.0 mm    48 = 4.8 mm    56 = 5.6 mm    64 = 6.4 mm

⑧	Shape of tongue on stitch plate	M <standard>	L	S	St
Characteristics		Medium needle thread tightening	Sewing finish with loose needle thread	Seam with tight needle thread and suitable for fine stitch	Sewing finish with tight needle thread and loose looper thread
Stitch length		1.8 mm~2.5 mm	More than 2.5 mm	Less than 1.8 mm	1.4 mm~2.5 mm

#### ⑨ For covering model

- Ⓐ Type of covering seam : T = Covering seam    K = Tip over covering seam  
 Ⓑ Tooth of feed dogs : N = 1.6 mm (standard pitch)    A = 2.5 mm (coarse pitch)

Ⓑ Feed dogs	Symbol	1	2	3	4
Differential feed dog		3 rows	3 rows	2 rows	4 rows
Main feed dog		4 rows	3 rows	4 rows	4 rows

#### ⑩ Device / Automatic thread trimmer

Air-operated type	Under thread trimmer	Wiper	Foot lifter	Spreader thread trimmer	For Panama-Minas
UT-A32	●	●	●		
UT-A32/M	●	●	●		●
UT-A34/ST2-A	●	●	●	●	
UT-A34/ST2-A/M	●	●	●	●	●

Solenoid Type	Under thread trimmer	Wiper	Foot lifter	Spreader thread trimmer
UT-2	●	●	●	
UT-4	●	●	●	
UT-4/ST2	●	●	●	●



### DEVICE

• **UT-A34/ST2-A:**  
**AUTOMATIC UNDER  
 THREAD TRIMMER  
 AND SPREADER  
 THREAD TRIMMER**

• **CONDENSE STITCH  
 DEVICE:**  
 It makes stitch condensed and prevents ravelling on overlapped portion at the end of seaming.

### MAIN SPECIFICATIONS

STITCH TYPE	ISO 602, 605, 406, 407
MAX. SEWING SPEED	6,500s.p.m. (without spreader thread), 6,000s.p.m. (with spreader thread)
CIRCUMFERENCE OF CYLINDER	280 mm <without puller> 340 mm <with puller>
ADJUSTMENT OF STITCH LENGTH	By thumbscrew or by changing lever position (adjustment available during the sewing to meet condense stitch)
STITCH LENGTH	1.4~3.6 mm (standard setting)
ADJUSTMENT OF DIFF. FEED	By changing lever position with micro-adjuster
DIFFERENTIAL FEEDING RATIO	1 : 0.9~1 : 1.4 (standard setting) 1 : 0.9~1 : 1.8 (available by adjusting) 1 : 0.6~1 : 1.1 (by changing the position of link)
TOP SPREADER MECHANISM	Standard for all models
NEEDLE DISTANCE	2 needle : 3.2 mm, 4.0 mm 3 needle : 4.8 mm, 5.6 mm, 6.4 mm NOTE: All machines, including 2 needle models, are fitted with tension discs and other parts for 3 needle specifications as standard.
NEEDLE SYSTEM	UY128GAS No.60 - No.90 (standard : No.70)
PRESSER FOOT LIFT	7.5 mm (without spreader thread), 6.0 mm (with spreader thread) <in case of needle distance: 5.6 mm>
LUBRICATION	Automatic lubrication by Trochoid Pump

\*Specifications and appearance on this catalog are subject to change without notice.  
 For correct handling of products described on this catalog, please read the instructions carefully before operation.