

# Pegasus EXT Series

Variable top feed overlock and safety stitch machines

## Catalogue (PDF)

Catalogue et fiche technique (PDF)

The maker's catalogue follows on pages 2 to 9.

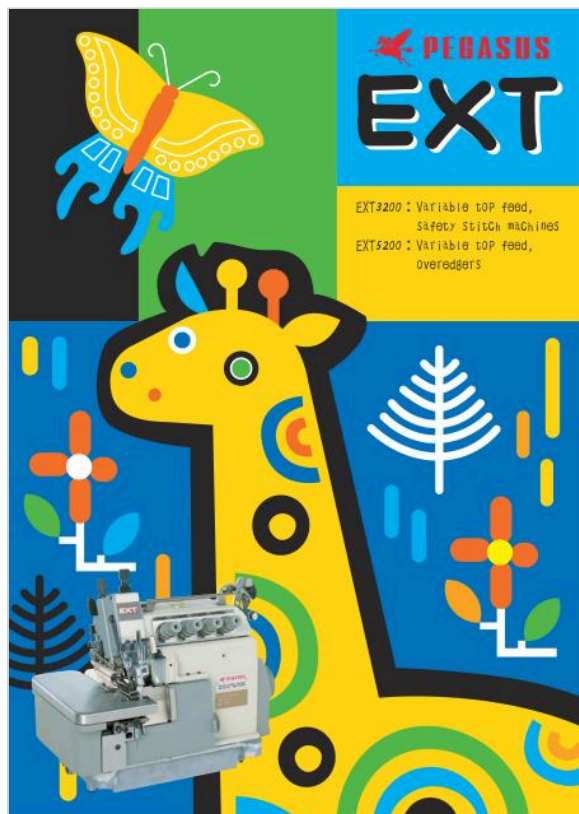
Al Borj Machinery supplies, installs and services these machines from Sharjah, UAE, and Accra, Ghana.

Models in this catalogue

Product page

EXT3216 [alborj.com/products/pegasus-ext3216](http://alborj.com/products/pegasus-ext3216)

EXT5214 [alborj.com/products/pegasus-ext5214](http://alborj.com/products/pegasus-ext5214)



In this catalogue

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Page 2, the first page of the maker's catalogue, reproduced unchanged.



PEGASUS

# EXT

EXT3200 : Variable top feed,  
safety stitch machines

EXT5200 : Variable top feed,  
overedgers



# Makes them to highest quality

Top and bottom feed dogs on the variable top feed machines provide for positive and accurate fabric feed. This feature prevents twisting and plyshifting of the fabric being sewn, achieving high quality production.

These machines neatly perform shirring, piping and blindstitch hemming, operations that are difficult with bottom feeding alone, while preventing puckering. PegasusÅfvariable top feed machines ensure uniform quality during a wide variety of sewing operations.



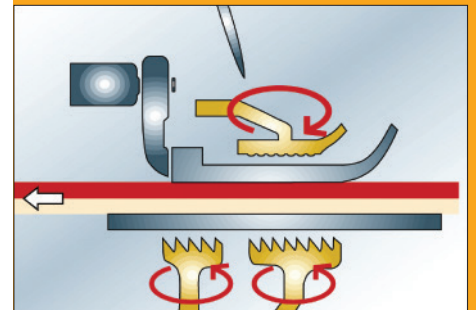
## Point 1 High quality products with no twisting or plyshifting achieved by top and bottom feeding

Variable top feed machines feed the top ply as well as the bottom one. This prevents plyshifting and twisting of the fabric being sewn, generally enhancing the visual characteristics and textures of the material, without any lose of the original properties of the fabric on sewn products.



## Point 2 Neat performance of shirring and piping

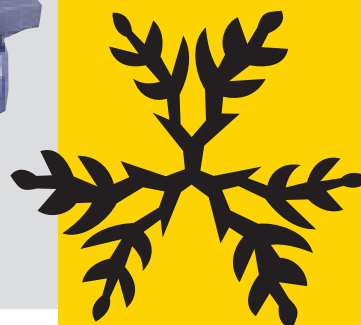
The top and bottom feed dogs are independently driven. Large differential feed ratios can be obtained. These features increase feeding efficiency. Especially, shirring is effectively performed.



## EXT Specifications in common

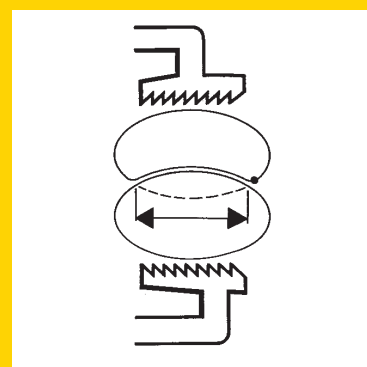
|                                |               |
|--------------------------------|---------------|
| ● Max. speed                   | 7,000 rpm     |
| ● Stitch length                | Max. 5.0mm    |
| ● Coveredge width              | 3mm - 8mm     |
| ● Presser foot lift            | Up to 8mm     |
| ● Differential feed ratio      | 0.7mm - 3.8mm |
| ● Top feed dog movement amount | 1mm - 8mm     |

Note) The details of the specs. vary by subclass.



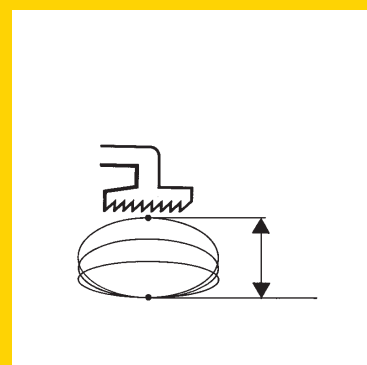
### Point 3 Prevention of puckering

The stopper regulates the path of the top feed dog just before it contacts the bottom one. Thanks to this feature, no wrinkle is produced on the fabric during sewing with increased feeding distance. Thus, variable top feed machines prevent puckering.



### Point 4 Beautifully finished products with balloon stitches

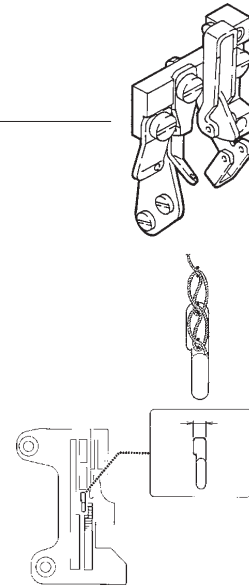
The up-and-down stroke of the top feed dog can be selected as desired according to the fabric and operation being employed. Large and strong strokes are used for sewing heavy weight fabrics and/or cross seam sections, and small strokes with soft touch are employed for sewing light weight fabrics.



# Other Features

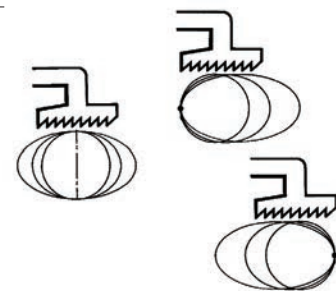
## ■ Feeding is assured even with heavy weight fabrics

On safety stitch machines, a combination of double chainstitch thread take-ups and needle plates produces beautiful and soft stitches, called balloon stitches.



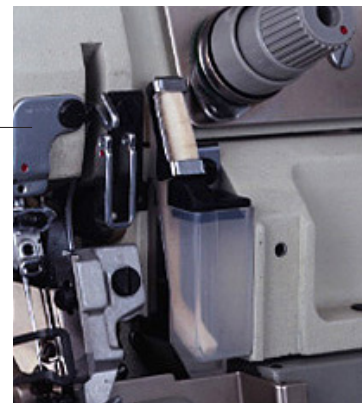
## ■ Easy-to-adjust top and bottom feed dogs for the fabric employed

The front-to-back movement of the top feed dog can be easily adjusted from the outside. Three kinds of adjustments are available, rear-fixed, divided-in-half and front-fixed adjustments. The rear fixed type is used to obtain beautiful shirring, and the front fixed type is employed for effortlessly riding out cross seam sections.



## ■ All subclasses equipped with upper and lower Needle/Thread cooler devices (HR) that protect the fabrics and threads against heat.

Heat is generated on the needle due to friction when the needle penetrates the fabric at high speeds. This causes thread breakage and/or stitch skipping. This series is equipped with HR device that always prevents heat generation on the point of the needle, allowing the thread to move smoothly and producing the stitches uniformly.





## ■ Tape/Thread chain cutter (TK/AT)

Devices that trim the tape and/or thread chain when sewing is completed. Eliminates for the need for cutting the tape and/or thread chain by hand, such as using scissors. Two types are available.

There are two types of driving methods available, pneumatic and electric.

### **Manual type:TK**

Switch operated device that cuts the tape and/or thread chain. Pressing the switch brings the knife down to cut the tape and/or thread chain. Two types of switches are available.

Electric type of finger switch

Pneumatic type of knee switch

### **Automatic type : AT**

The sensor detects the fabric edge to trim the tape. This device includes the controller that regulates the length to be trimmed by stitch counting.



## ■ Thread chain cutter (KS/KH)

Device that cuts the thread chain and disposes of it through vacuum suction. Eliminates for the need for cutting the thread chain by hand, such as using scissors. Two types are available.

### **Vertical type vacuum chain cutter : KS**

The suction inlet is positioned vertically to the cloth plate.



### **Flat type vacuum chain cutter : KH**

The suction inlet is positioned flush with the cloth plate.



## ■ Backlatching device (BT)

Device that backlatches the thread chain by sewing it back into the seams on the fabric at the start of sewing. Eliminates the need for a bartacker and the operator, reducing time and dramatically increasing efficiency.



## ■ Intermittent shirring device (KL)

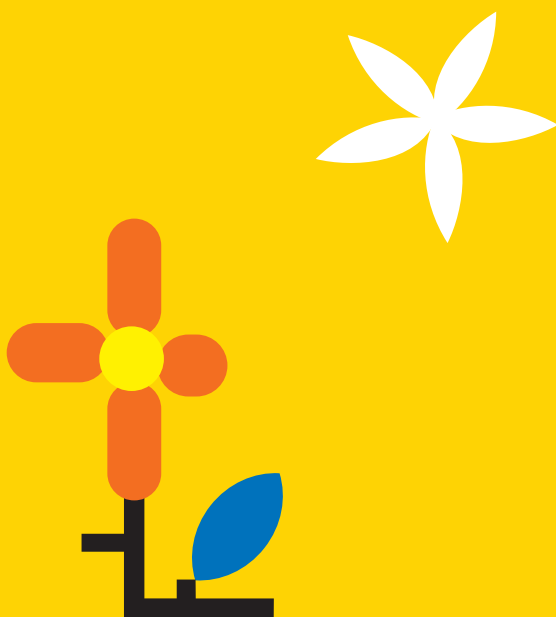
Can easily perform a shirring or a fullness operation partially. Three types of driving methods (manual, electric and pneumatic) are available.

## ■ Lint collector (LC)

Powerfully collects thread chains and cutting waste by compressed air. The waste is sucked into an easy-to-handle collector, so it saves space in the factory.

## ■ Presser foot lift (PL)

Reduces operator fatigue. Pressing the treadle actuates the air cylinder to raise the presser foot.





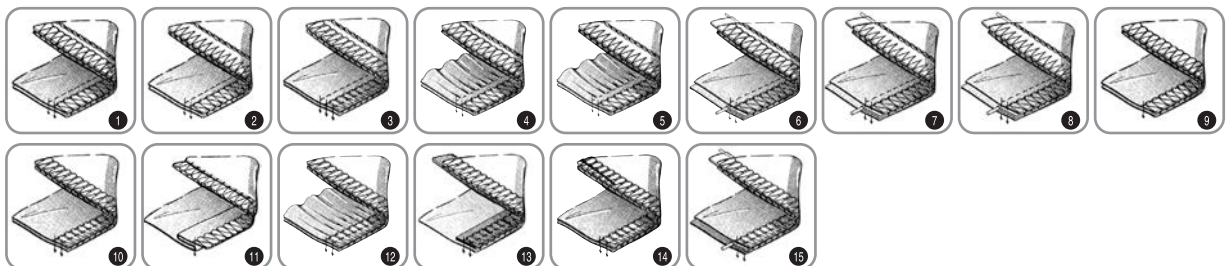
## EXT Series Subclasses

### Variable top feed, safety stitch machines: EXT3200

| Seam    | Type of machine                                                                          | Model                 | No. of needles | No. of threads | Machine speed(rpm) | Remarks                |
|---------|------------------------------------------------------------------------------------------|-----------------------|----------------|----------------|--------------------|------------------------|
|         | Plain seaming                                                                            |                       |                |                |                    |                        |
| ① ②     | Plain seaming light to medium weight fabrics, such as dress shirts, blouse               | EXT3216(15)-02/223    | 2              | 5 (4)          | 7,000              |                        |
| ① ②     | Plain seaming medium to heavy weight fabrics, such as pajamas                            | EXT3216(15)-03/233    | 2              | 5 (4)          | 7,000              |                        |
| ①       | Plain seaming medium to heavy weight fabrics, such as casual shirts                      | EXT3216-03/333        | 2              | 5              | 6,700              |                        |
| ① ③ ④ ⑩ | 3-needle machines for plain seaming cotton pants and similar garments with wide seam     | EXT3244-03/333        | 3              | 6              | 6,700              |                        |
| ① ②     | Plain seaming medium weight fabrics, such as light weight denim, cotton pants            | EXT3216(15)-03/433    | 2              | 5 (4)          | 6,300              |                        |
| ① ③ ④   | Plain seaming heavy to extra heavy weight fabrics, such as jeans                         | EXT3244-A04/435K      | 2              | 5 (4)          | 6,300              | with wide angled knife |
| ① ③ ④ ⑩ | 3-needle machines for plain seaming medium to heavy weight fabrics, such as casual pants | EXT3244-A04/435K      | 3              | 6              | 6,300              | with wide angled knife |
| ① ②     | Plain seaming heavy to extra heavy weight fabrics, such as jeans, working wear           | EXT3216(15)-B-04/435K | 2              | 5 (4)          | 6,300              |                        |
| ① ②     | Plain seaming extra heavy weight fabrics, such as jeans                                  | EXT3216(15)H-A05/535K | 2              | 5 (4)          | 5,500              | with wide angled knife |
|         | Shirring                                                                                 |                       |                |                |                    |                        |
| ④ ⑤     | Shirring light to medium weight fabrics, such as apron, children's wear                  | EXT3216(15)-42/233    | 2              | 5 (4)          | 5,500              | with shirring device   |
|         | Shirring piping                                                                          |                       |                |                |                    |                        |
| ⑥       | Shirring piping extra heavy weight fabrics, such as bed cover                            | EXT3216H-45P1/574K    | 2              | 5              | 5,500              | with shirring device   |
|         | Piping                                                                                   |                       |                |                |                    |                        |
| ⑦ ⑧     | Piping medium to heavy weight fabrics, such as training wear                             | EXT3216(15)-C3P1/233  | 2              | 5 (4)          | 6,700              |                        |
|         |                                                                                          | EXT3216(15)-C3P2/233  | 2              | 5 (4)          | 6,700              | with binder (25mm)     |
| ⑦       | Piping extra heavy weight fabrics, such as sofa                                          | EXT3216H-C5P1/574K    | 2              | 5              | 5,500              |                        |

### Variable top feed, overedgers: EXT5200

| Seam | Type of machine                                                                         | Model            | No. of needles | No. of threads | Machine speed(rpm) | Remarks                                                 |
|------|-----------------------------------------------------------------------------------------|------------------|----------------|----------------|--------------------|---------------------------------------------------------|
|      | Plain seaming                                                                           |                  |                |                |                    |                                                         |
| ③    | Plain seaming light to medium weight fabrics, such as T-shirts                          | EXT5204-02/233   | 1              | 3              | 7,000              |                                                         |
| ③ ⑩  | Plain seaming medium to heavy weight fabrics, such as polo shirts, jersey               | EXT5214-03/333   | 2              | 4              | 6,700              |                                                         |
|      |                                                                                         | EXT5214-M03/333  | 2              | 4              | 6,700              |                                                         |
|      | Blindstitch hemming                                                                     |                  |                |                |                    |                                                         |
| ⑪    | Blindstitch hemming light to medium weight fabrics, such as T-shirts                    | EXT5205-12/223   | 1              | 3              | 5,500              | with blindstitch hemming guide(40mm)                    |
|      | Shirring                                                                                |                  |                |                |                    |                                                         |
| ⑫    | Shirring medium to heavy weight fabrics, such as pillowcase, apron                      | EXT5214-43/333   | 2              | 4              | 5,500              | With shirring device                                    |
|      | Attaching tape                                                                          |                  |                |                |                    |                                                         |
| ⑬    | Attaching tape heavy to extra heavy weight fabrics, such as training wear, sweat shirts | EXT5214-54S1/433 | 2              | 4              | 6,300              | with a set of parts for attaching tape                  |
|      |                                                                                         | EXT5214-54S2/433 | 2              | 4              | 6,300              | with a set of parts for attaching tape, shirring device |
| ⑬    | Attaching tape heavy to extra heavy weight fabrics, such as sweater                     | EXT5214-54S1/443 | 2              | 4              | 6,300              | with a set of parts for attaching tape                  |
|      |                                                                                         | EXT5214-54S2/443 | 2              | 4              | 6,300              | with a set of parts for attaching tape, shirring device |
| ⑬    | Attaching tape extra heavy weight fabrics, such as bulky sweater                        | EXT5214H-55/545  | 2              | 4              | 5,500              | with a set of parts for attaching tape, wide knife      |
|      | Backlatching                                                                            |                  |                |                |                    |                                                         |
| ⑭    | Backlatching heavy to extra heavy weight fabrics, such as sweater                       | EXT5214-84/433   | 2              | 4              | 6,300              |                                                         |
| ⑭    | Backlatching heavy to extra heavy weight fabrics, such as bulky sweater                 | EXT5214H-85/535K | 2              | 4              | 5,500              | for BT250A                                              |
|      | Piping                                                                                  |                  |                |                |                    |                                                         |
| ⑮    | Piping medium to heavy weight fabrics, such as training wear                            | EXT5214-C3P1/333 | 2              | 4              | 6,700              |                                                         |
|      |                                                                                         | EXT5214-C3P2/333 | 2              | 4              | 6,700              | with binder(20mm)                                       |



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-Specifications and appearance are subjected to changes without notice.  
-Read the instruction manual before operating the machine to ensure safe usage.  
-Photos for illustration purpose. They may not represent actual operating conditions and/or displayed optional parts.



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# Ask for the AED price, delivery and installation

Send us the model and your country. Our team replies on WhatsApp or by email, and installs and services these machines from Sharjah and Accra.

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Pegasus EXT3216

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