

BAS-365K-0A0 BAS-370K-0A0

	BAS-365K	BAS-370K
Stitch form	Single needle lock stitch	
Hook	Double-capacity shuttle hook	
Max. sewing speed	2,700sti/min	2,500sti/min
Max. sewing area (WxD)	800mmx400mm	800mmx700mm (800mmx850mm)*
Footprint (WxDxH)	1,800mmx1,300mmx1,719mm	1,800mmx2,080mmx1,719mm
Feed mechanism	Intermittent feed (pulse motor drive)	
Stitch length	0.05-20.0mm (per 0.05mm)	
Max. number of stitches	100,000 stitches (per program)	
Max. number of programs	999	
Height of Intermittent presser foot	28mm (highest needle stop position)	
Intermittent presser foot stroke	0-10mm (per 0.1mm)	
Machine head lifter	—	Standard equipment
Machine head lift amount	—	70mm (height from the top of the auxiliary plate Max.95mm)
Needle cooler	Standard equipment	
Thread wiper	Standard equipment	
Thread cutting device	Standard equipment (pulse motor drive)	
Digital tension	Standard equipment	
Material thickness detection function	Intermittent presser foot pulse motor type	
Upper thread tension sensor	Skipped stitches detection,thread breakage detection,Dynamic upper thread tension monitoring (Dynamic tension detection method)	
Upper thread slip prevention function	Standard equipment (by Intermittent presser foot)	
Lower thread gripping mechanism	Standard equipment	
Needle bar position monitoring	Standard equipment	
Needle guard monitoring	Standard equipment	
Meeting timing monitoring	Standard equipment	
Needle gap monitoring	Standard equipment	
Oil level monitoring	Standard equipment	
Data storage media	Internal flash memory (data addition is available with external memory)	
Weight	Approx.700kg	Approx.900kg
Power source	Single phase 200V / 220V , 3-phase 200V - 240V/1200VA	
Air pressure/Consumption	0.5MPa / Needle cooler device On: 8 l/min. Off: 0.2 l/min	

* By changing the settings, movement of 850mm is possible.

Brother GT/ISM Support App



RoHS Compliant BAS-365K,BAS-370K is compliant with the RoHS Directive(the restriction of the use of certain hazardous substances in electrical and electronic equipment) which came into effect in the EU in July 2006.

Please read instruction manual before using the machine for safety operation.
-Product specifications are subject to change for improvement without notice.
-Photographs are for illustration purpose. They may not represent actual operating conditions and may display optional parts.

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NEXIO

Bridge Type Programmable Electronic Pattern Sewer

BAS-365K

800mm x 400mm

BAS-370K

800mm x 700mm
(800mm x 850mm)*



Unique Bridge Design high speed, high precision, with stable sewing quality

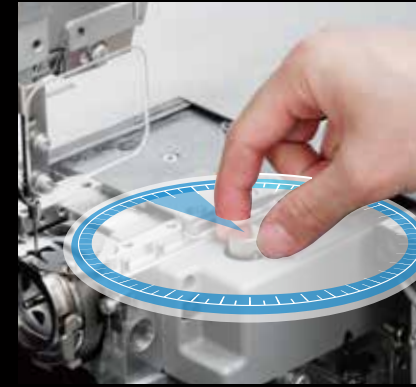
Minimizing downtime with digital sensing technology

Wide sewing area for large items

BAS-365K
800mm x 400mm



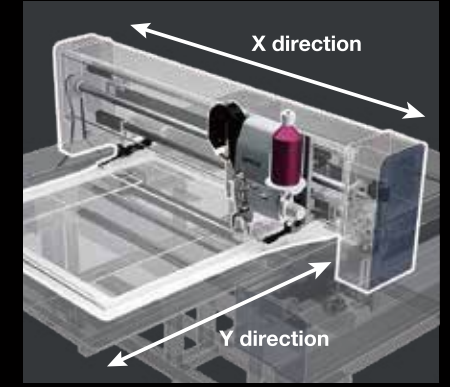
BAS-370K
800mm x 700mm
(800mm x 850mm)*
* By changing the settings,
movement of 850mm is
possible.



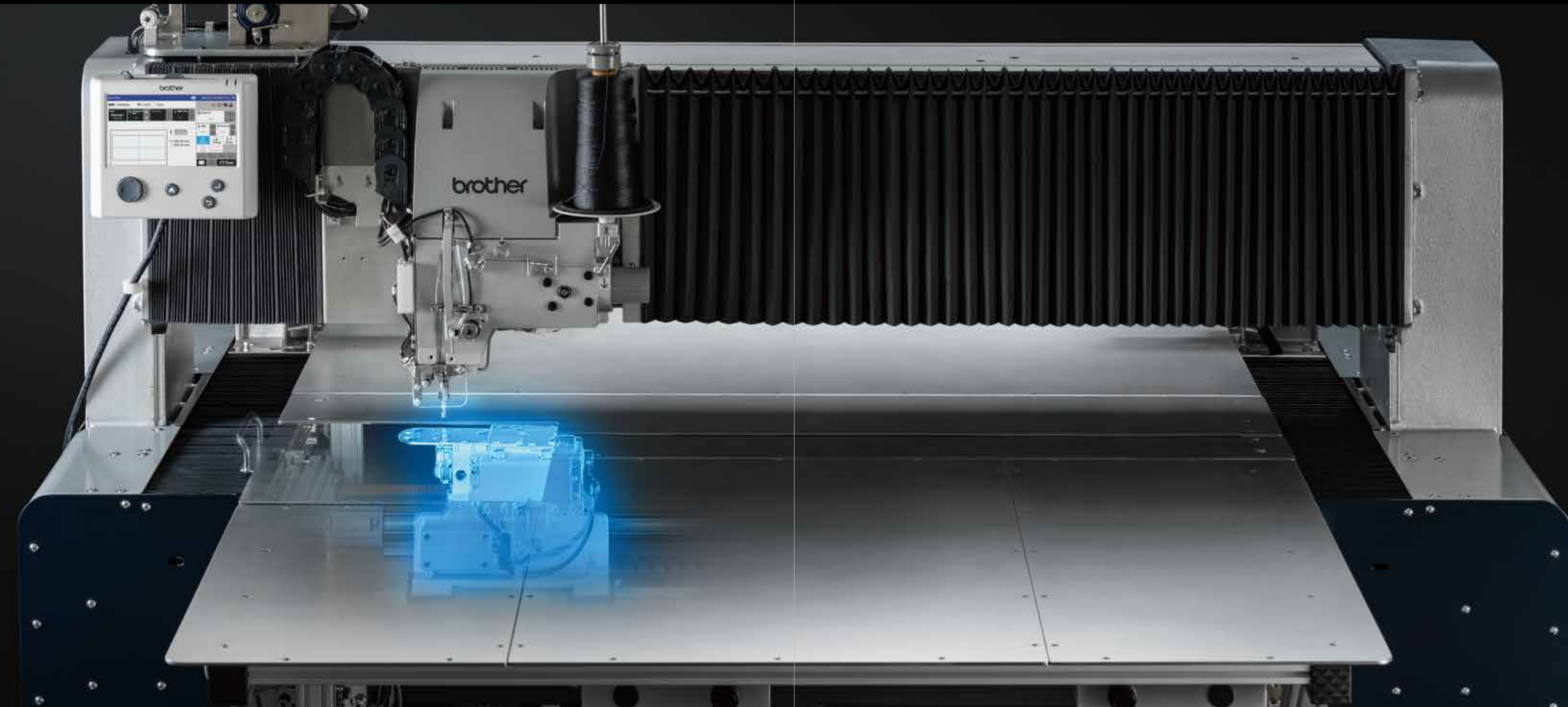
DIGIFLEX TUNE
Digitalized analog adjustment
to achieve precise adjustments.



**Upper thread tension
monitoring**
Skipped stitches detection,
thread breakage detection,
dynamic upper thread tension
monitoring.



**XY independent feed
mechanism**
Achieving high-quality sewing.





DIGIFLEX TUNE

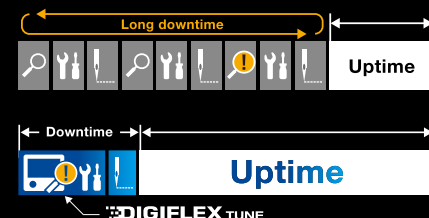
Brother's innovative digital technology enables analog adjustments to be accurate to 0.01 millimeters. Supports stable production by maintaining high production efficiency and quality.

Productivity

Sensing makes it clear how to handle sewing defects, minimizes downtime and increases productivity.

The adjustment time of the sewing machine due to poor sewing is greatly reduced by sensing technology. The cause of the sewing defect can be identified and appropriate adjustments can be made just from the numerical values on the panel.

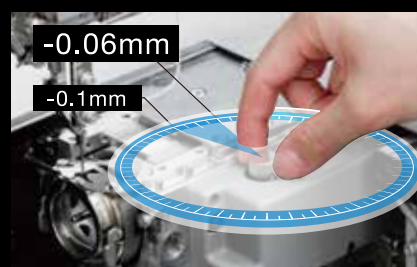
Experienced mechanics



Reproducibility

Adjustments in increments of 0.01 millimeters are possible, eliminating variations in adjustments due to people and environments.

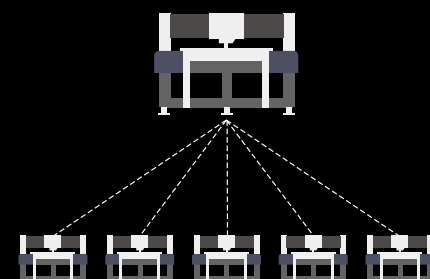
The sewing machine adjustment, which was done by feeling, will change to adjusting while looking at the target value set on the panel and the current value.



Expandability

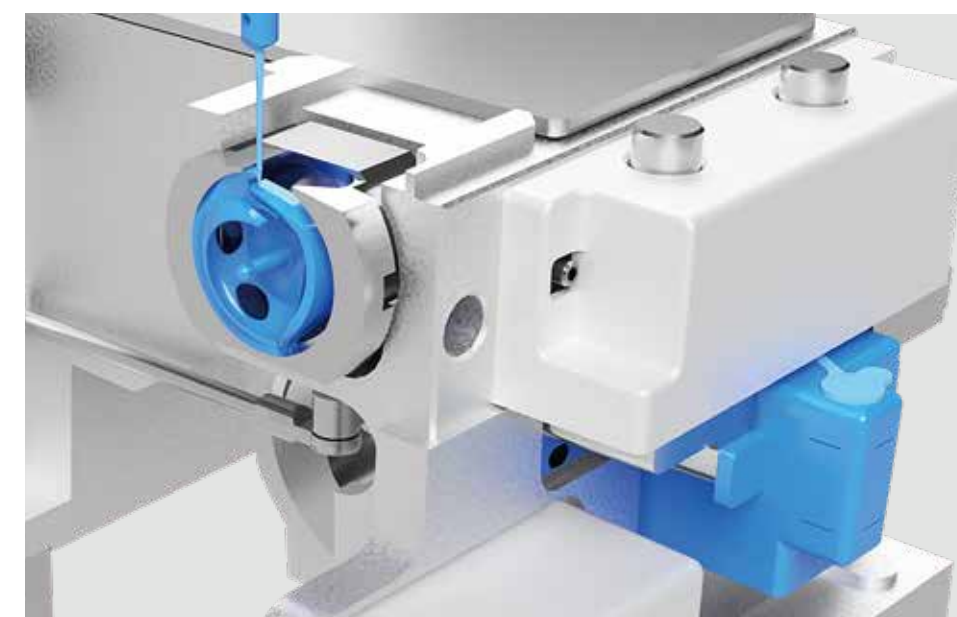
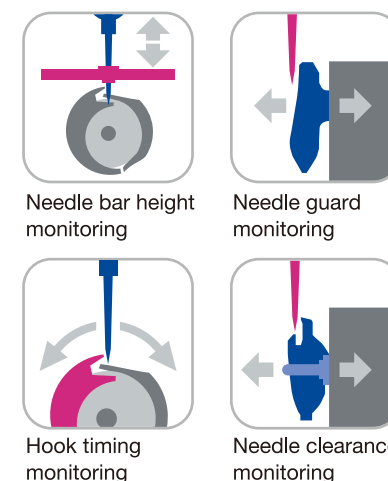
Digitalization makes it possible to make the same adjustments to multiple sewing machines, making it possible to develop globally unified adjustments.

The same adjustment can be achieved simply by matching the set value with another sewing machine.



Digitalization of adjustments

The digital adjustment method using sensing makes it easy to adjust the needle bar height position, hook timing, needle guard gap, needle clearance, while checking the numerical values on the panel.



Preventing sewing defects

Oil level monitoring

By alerting you when the oil level is low, you can prevent sewing defects and machine damage due to operation without oil.



Oil level monitoring



Smart Machine Management

On the panel, it will display the numerical values for the sewing machine adjustments, including the "standard value," the "target value" that you can set, and the "current value," which shows the status of the machine.

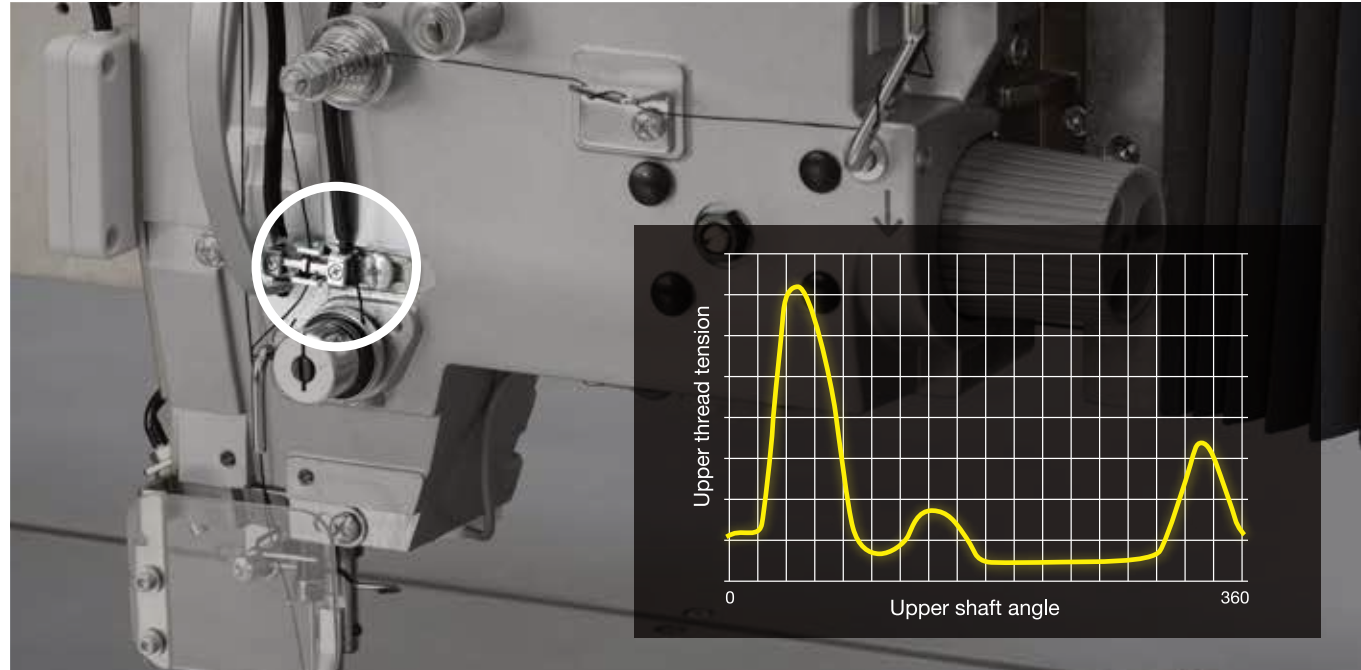


Maintenance (ORGAN DPX17)			
	Current value	Target value	Standard value
Upper shaft angle at hook timing (°)	204.2	204.2	204.2
Hook timing reference angle (°)	0	0	0
Needle bar lowest position (mm)	18.0	18.0	18.0
Needle guard (mm)	0.06	0.06	0.06
Needle clearance (mm)	-0.10	-0.06	-0.06

If the current adjustment value of the sewing machine deviates from the target value, a warning will appear so that the desired values can be maintained appropriately.

Upper thread tension monitoring

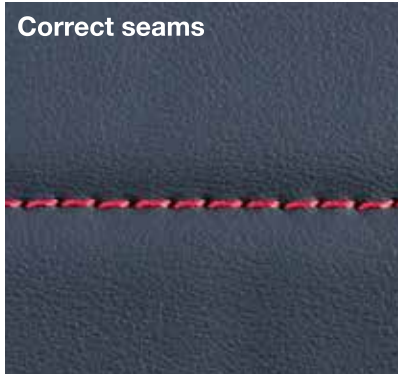
By detecting sewing defects by detecting skipped stitch, thread breakage detection, and dynamic upper thread tension monitoring, defective products are prevented from flowing to the downstream process.



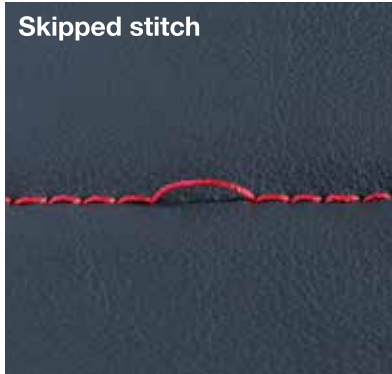
Detectable sewing defects

By directly detecting the upper thread tension with a magnetic sensor, it is possible to distinguish between skipped stitch and thread breakage. *As we continue to monitor upper thread tension, we plan to add other criteria for defects and abnormalities.

Correct seams

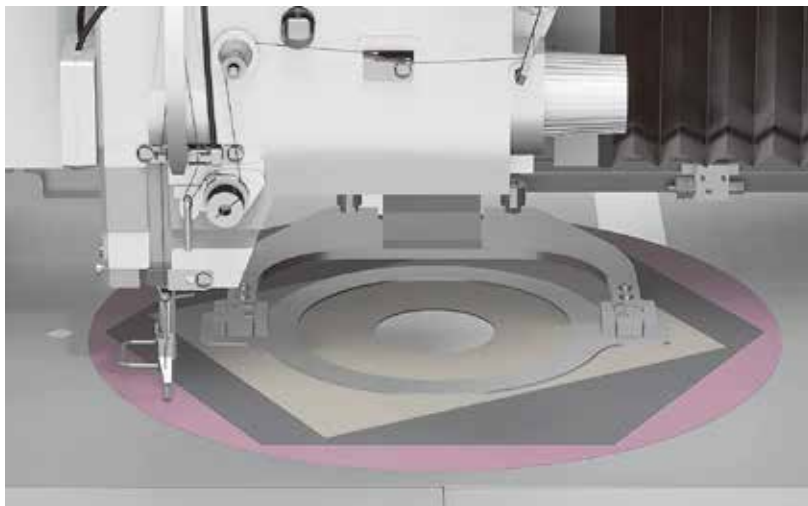


Skipped stitch



Fabric thickness detection

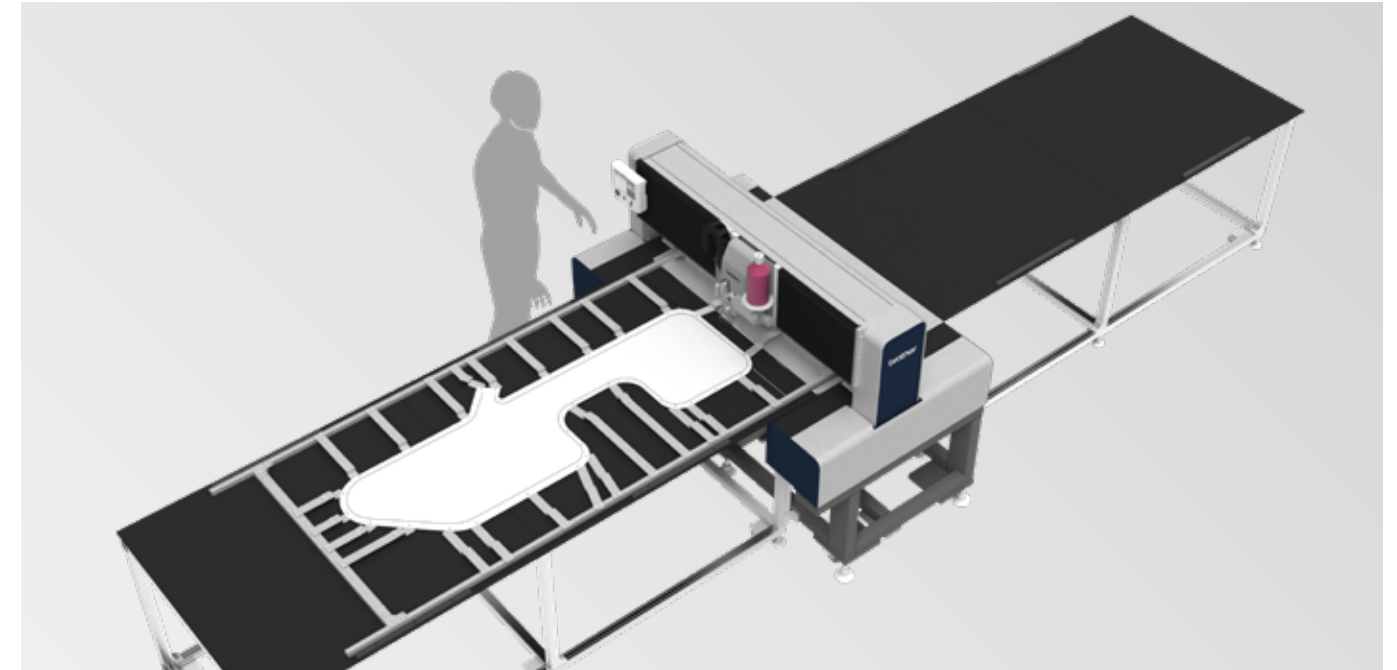
By measuring the thickness of the fabric at the beginning of sewing and determining whether it is within the specified value, misplacements are detected before they occur. If it differs from the set value, an error will be displayed on the LCD screen.



Customized Solutions

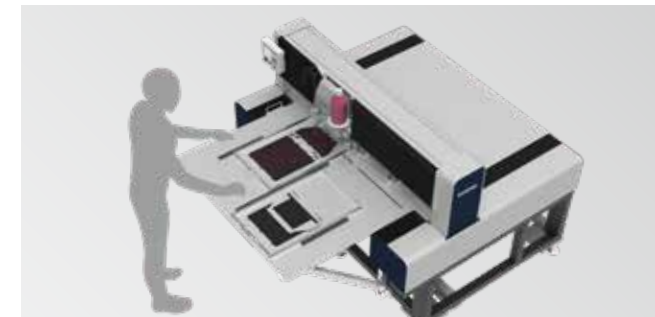
Curtain airbag long sewing

By taking advantage of the characteristics of the bridge type sewing machine and expanding the area in the Y direction, it can reach the sewing area necessary for sewing curtain airbags.



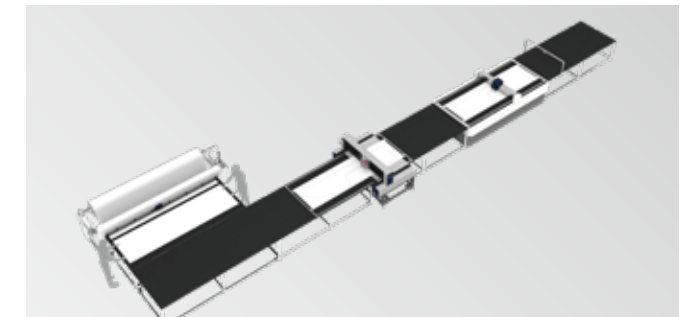
Parallel Pallet Change System

By dividing the sewing area into left and right sides and alternating sewing and material setup, high productivity and space saving are achieved.



Direct Roll Sewing System

By sewing the raw material directly before cutting, it is possible to customize the before and after processes, such as the roll-to-roll method.



Option

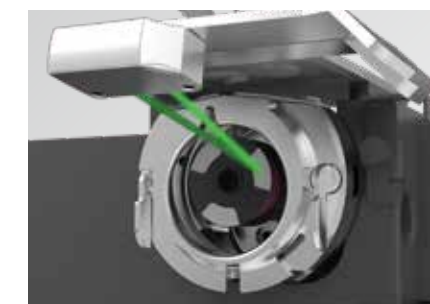
Automatic bobbin changer

The automatic replacement of the bobbin contributes to reducing the burden on the operator and improving productivity.



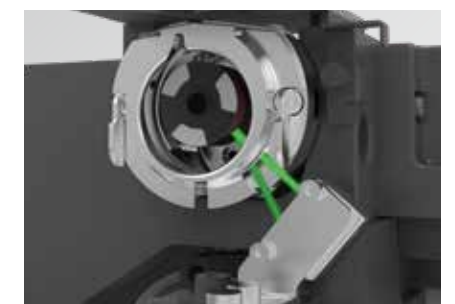
Bobbin rotation detector

By detecting the rotation of the bobbin with a sensor, it contributes to the prevention of the outflow of defective products.



Remaining bobbin thread detector

By detecting the remaining amount of thread in the bobbin with a sensor, it contributes to reducing the burden on the operator and preventing the occurrence of sewing defects.



Large sewing items can be sewn with high productivity and high quality

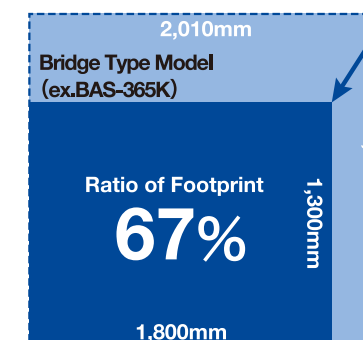
Achieves a wide sewing area with a compact installation (footprint) area

The workspace footprint is extremely small for the larger sewing area provided when compared to a conventional type BAS machines, allows making additional space for another machine.

Foot Space

Conventional MODEL
3.52m²
BRIDGE TYPE MODEL
2.34m²

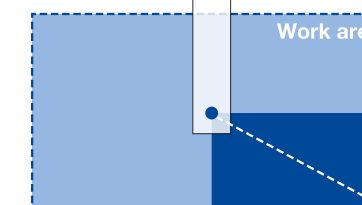
Conventional Model



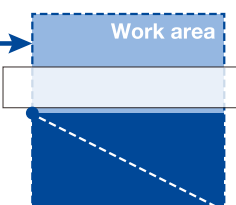
Expanded effective sewing area

The sewing area is now wider than ever before, allowing you to sew larger items. You can now sew items that were previously unable to be sewn in two rows, allowing for more efficient sewing.

Conventional Model



Bridge Type Model



Work area reduced by **50%**

Materials can be overlapped and clamped, or intricately overlapped and sewn

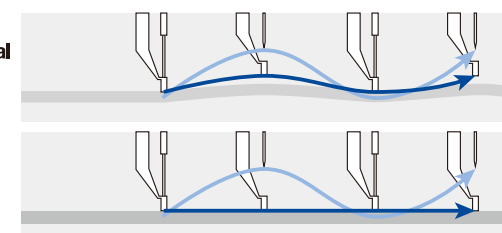
Intermittent presser foot by pulse motor

Intermittent presser foot is independently driven using a pulse motor. By sewing with the intermittent presser foot lowered at the beginning of sewing, it is possible to reduce prevent skipped stitches at sewing start. In addition, stroke adjustment can be done only by operating the panel, and it is easy to operate by simply setting the stroke amount after setting the lowest point of the intermittent presser foot as the reference.

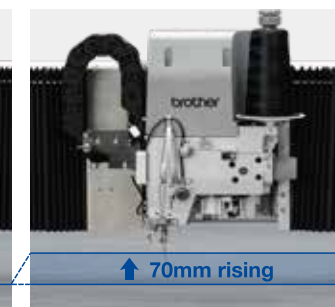
Machine head lifter

The machine head rises 70 mm. Even with thick materials and clamps, you can sew a greater variety of applications minimizing concern for interference with the head. (BAS-370K only)

Conventional machine



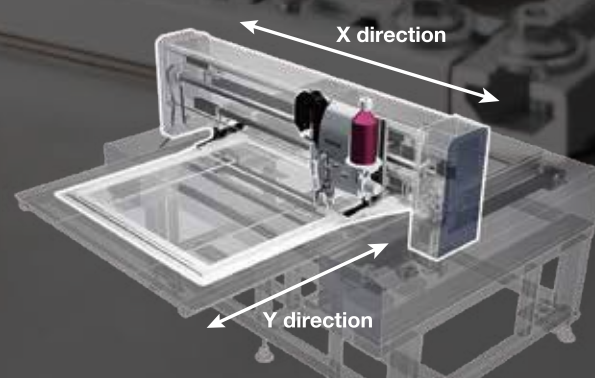
BAS-370K



Adaptable to changes of various sewing items and conditions with high quality stability and improved operation rate

By maximizing the sewing area through the adoption of bridge-type mechanism, it is now possible to sew large pieces of material such as airbags, which were previously difficult to sew. In addition, the XY independent feed mechanism achieves high sewing accuracy, making it possible to perform high-quality "design stitches" on car seats, leather products, etc.

XY axis independent drive mechanism



Improved maintainability and accessibility

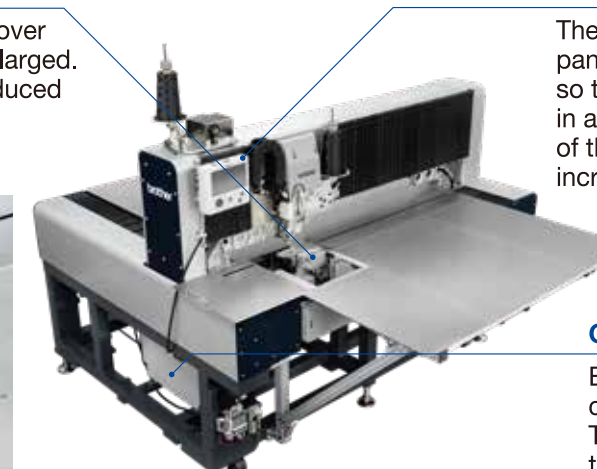
Easy adjustment

The shuttle hook area maintenance cover (with open/close sensor) has been enlarged. The work surface height has been reduced 50mm improving accessibility and making adjustments easier.



Sewing work assistant

The start-up time of the operation panel has been significantly reduced, so that you can start working in about 5 seconds. The power of the main shaft motor has been increased from 550W to 800W.



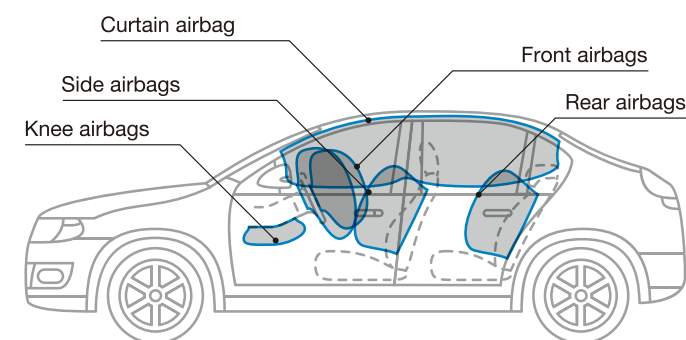
Control Box

Externally concentrated connector arrangement
The expansion input/output terminal block is IN:25 / OUT:32



Airbags

High density and stable sewing quality is achieved even for large airbags such as front airbags, side airbags, knee airbags, and rear seat airbags. By adding options to the machine, it can also be easily used for curtain airbags.



Adaptable to a wider range of airbags ever than before.

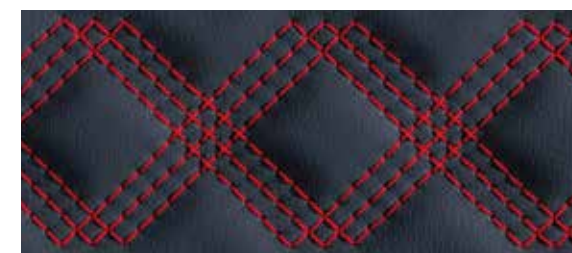
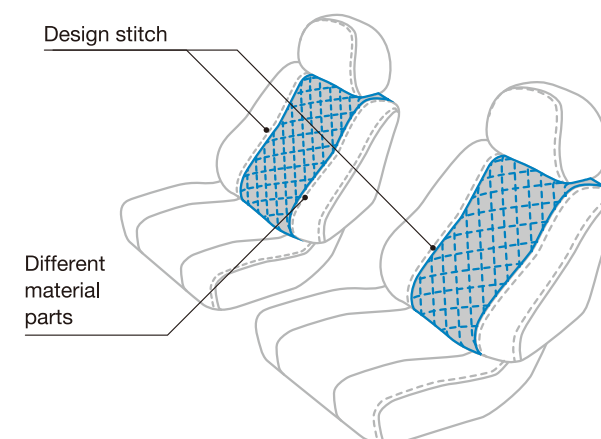


Stitches can be formed accurately even in high density.

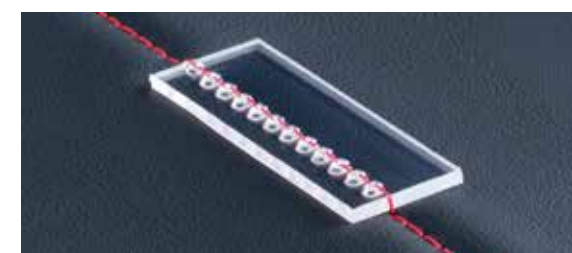


Car seats

Stitch can be sewn exactly as designed with high quality. Thick layers of different materials can also be easily sewn.



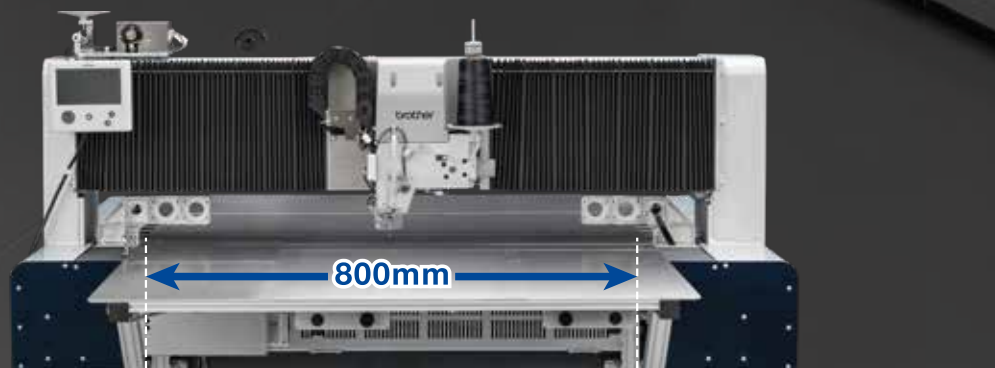
High needles drop accuracy.



Stable sewing on resin materials.

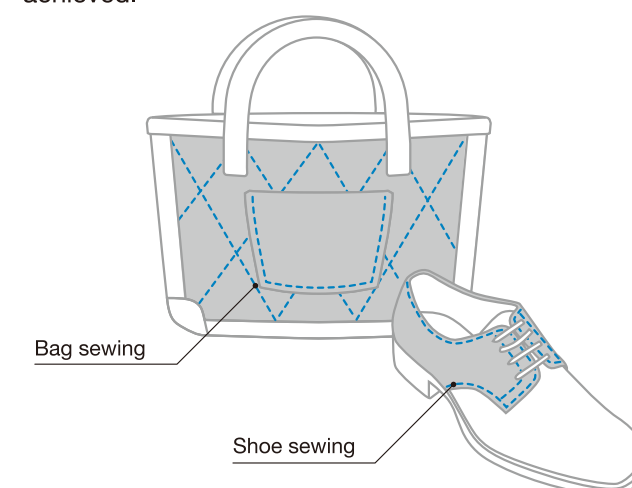
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Leather products

Beautiful sewing of corners and sewing of hard different materials are also carefully and stable sewing quality is achieved.



Achieve beautiful stitches on corners and overlapping areas.



Stable sewing without misalignment even with layers of hard materials.