

Highlead GC20638-25D SP2

Twin Needle Long Arm Sewing Machine

With **Split Needle Bar System**



The Highlead GC20638-25D SP2 is a special version twin needle long arm sewing machine with automatic thread trimmer, electronic control and Split needle bar system.

The long sewing machine arm allows around 635mm* (25") clearance to the right of the needles, which is 2½ times bigger than most standard sewing arms.

It features a triple feeding action by way of: bottom feed, needle feed and walking foot top feed and is fitted with two large vertical axis hooks & bases for use with medium to heavy weight materials.

The special split needle bar feature is useful when sewing, for example, corners or tight angular stitching and allows the operator, at the flick of a lever, to disengage one of the needle bars; so the machine can sew with one needle. You can select to disengage or re-engage the left or right needle depending on operation required.

The machine is equipped with an automatic thread trimmer which is mounted under the needle plate for quick & accurate cutting of thread at the end of a sewing cycle. This saves considerable time when compared with manual cutting of threads using scissors etc. The thread trimmer is electronically controlled and uses electric impulse solenoids to move the cutting knives.



Right needle bar disengaged (lever set to R)



Left needle bar disengaged (lever set to L)

The position of the needle is controlled by an electronic needle position motor & controller. This will automatically put the needles in an UP or DOWN position (selectable) at the end of a sewing cycle: reducing the need to use the manual hand wheel. This function is of particular use on long arm machines as the hand wheel is further away from the sewing area.

A safety clutch is fitted to help prevent damage to the hooks, bevel gears and other important parts, should the machine become jammed or over-loaded.

The GC20638-25D-SP2 is a feature packed long arm industrial model and as well as the features listed above; it comes as standard with programmable automatic back-tack stitching, knuckle quick reverse system, built in digital stitch program module and air operated automatic foot lifting device.

It is fitted with the latest quiet & energy efficient electronically controlled heavy duty servo motor, which only runs when you are actually sewing; If you pause or stop: the motor stops immediately and is almost silent.

The Highlead GC20638-25D-SP2 is a long arm, twin needle, needle feed, walking foot industrial sewing machine with split needle bar system; for use on medium to heavy weight materials and is aimed at job applications where a standard sized arm is not suitable.

Examples:

Large covers, upholstery panels, car trimmings, inflatable products, bouncy castles, awnings, tents, parachutes, gliders, hot air balloons, sails, banners, lorry curtain sidings, top stitching leather etc, + many other large items..

Features:

- Long arm model 635mm* clearance
- Split Needle Bar system**
- Triple feeding action
- Automatic thread trimmer**
- Automatic solenoid back-tack and reverse
- Electronic needle position servo motor
- Large vertical axis hook & base x2
- Knuckle quick reverse system
- Hook safety clutch
- Top mounted bobbin winder
- Automatic foot lifter (air operated)
- Digital operator control panel
- Quiet balanced head

Specification:

- Max sewing speed: 1800rpm
- Stitch length: 0-9mm
- Needle bar stroke: 36mm
- Take up stroke: 74.5mm
- Presser foot lift by hand: 8mm
- Presser foot lift by foot: 16mm
- Hook: 2x large vertical axis type
- Thread trimmer: Auto (option to switch off)
- Reverse: Auto solenoid or manual lever
- Foot lifter: Auto air or manual lever
- 230V 50HZ electronic servo motor