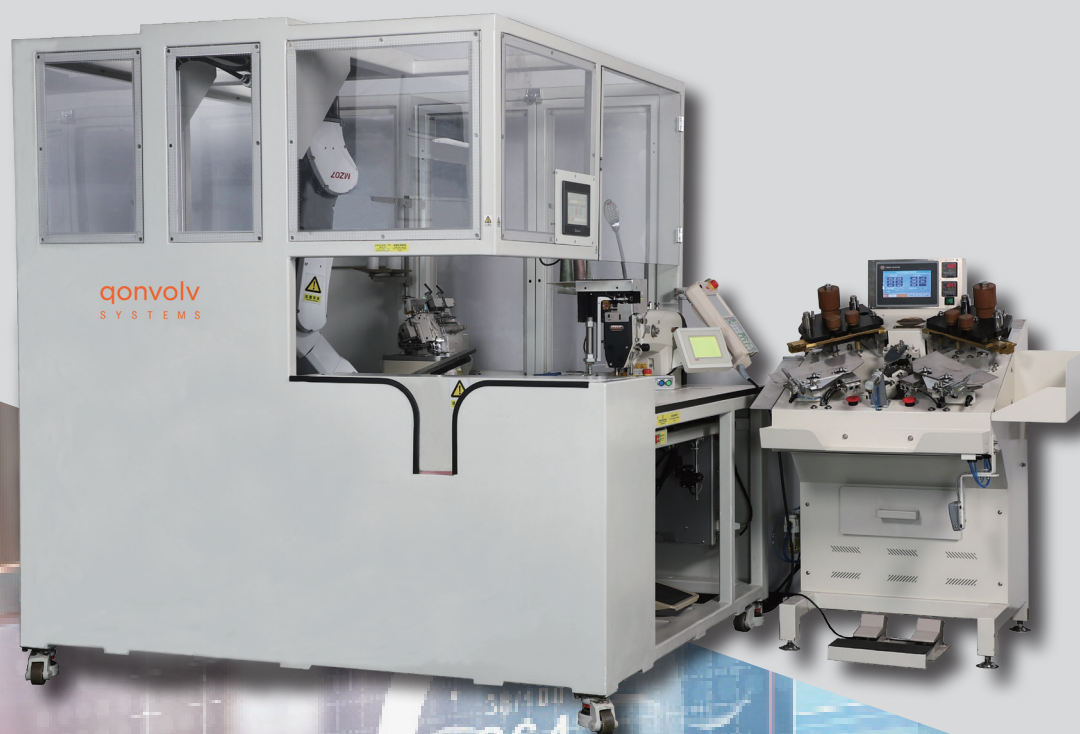
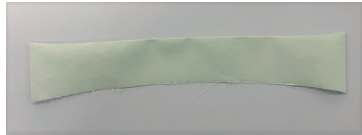




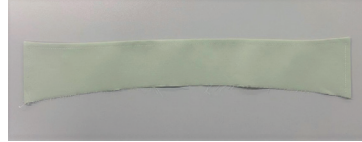
WC004A

4-in-1 Robotic Collar Making Station





Turn collar



Topstitch collar



Trim collar bottom and tack collar bottom

Integrated 4 processes of shirt collar making to improve production efficiency.

- Integrated turn collar, topstitch collar, trim collar bottom and tack collar bottom. 1 operator finishes 4 processes at one time.
- Sewing conveyed by robotic arm to ensure stable quality.
- Track of robotic arm can be adjusted freely according to the collar pattern.
- One-click size conversion, automatic collection of completed collars, can adapt to different edge margins.
- Unique design for fabric tension control to achieve a better collar effect (tight top and loose bottom).
- Tack collar bottom with overlock stitches, effectively reduce collar frizzing and improves quality.
- The output can reach 120~135 pieces per hour.

APPLICATIONS

Styles

Straight pointed collar
Spread collar
Collar stay
Button down collar

Size and Dimensions

Collar length (mm) : 350~600
Collar center width with seam allowance (mm) : 40~55
Needle thread width (mm) : 3~7
Applicable collar angle: 65°~110°

Fabrications

Main woven fabric types,
plain colors/stripe patterns both acceptable.
Most suitable for sample production, special testing required for some soft, thin, full, and raw denim styles.

SPECIFICATIONS



Sewing Machine Head

Turn collar:
Ngai Shing NS-81p
Topstitch collar:
PFAFF 2481
Trim collar bottom and
tack collar bottom:
HXT6804T-02KHC2/AK
Manipulator:
NACHI MZ07



Dimensions (mm)

L: 3,000 x W: 2,400 x H: 1,810
Integrated machine frame
L: 1,520 x W: 1,765 x H: 1,810



Power (W)
5,700



Power Supply (V)
AC 220 (50Hz)



Stitch Type

Topstitch collar:
**Single needle lock
stitch machine**
Trim collar bottom and
tack collar bottom:
Three thread overlock



Max. Sewing Speed (rpm)

Topstitch collar: **3800**
Trim collar bottom and
tack collar bottom: **3600**



Compressed Air
Requirement (Mpa)
0.6



Weight (kg)
880



Needle

Topstitch collar:
DPX5
Trim collar bottom and
tack collar bottom:
DCX1(#11)



Changeover Time (m)
5~10



Output (pcs/ hr)
120~135

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