# JACK
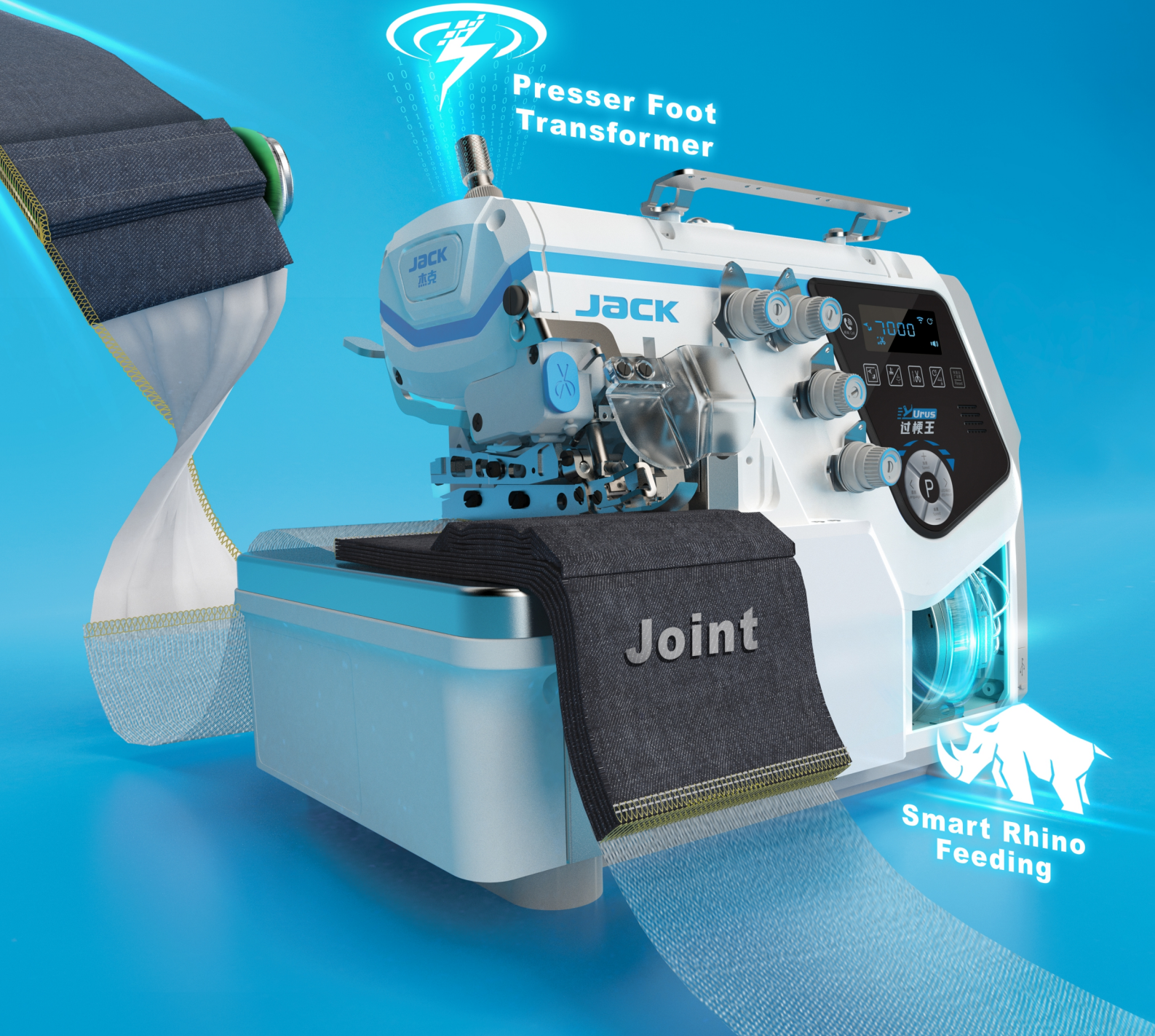
# Urus

# Full speed cross seam
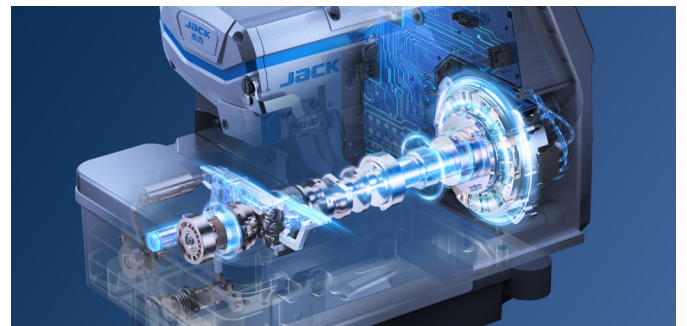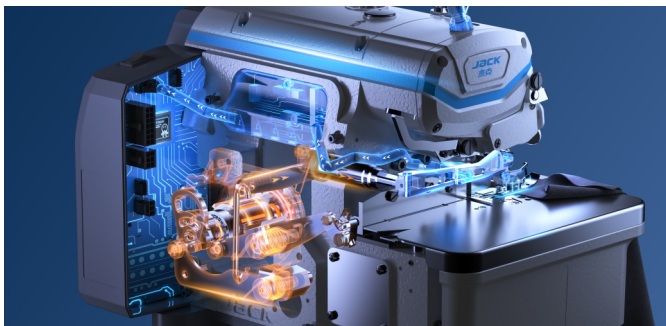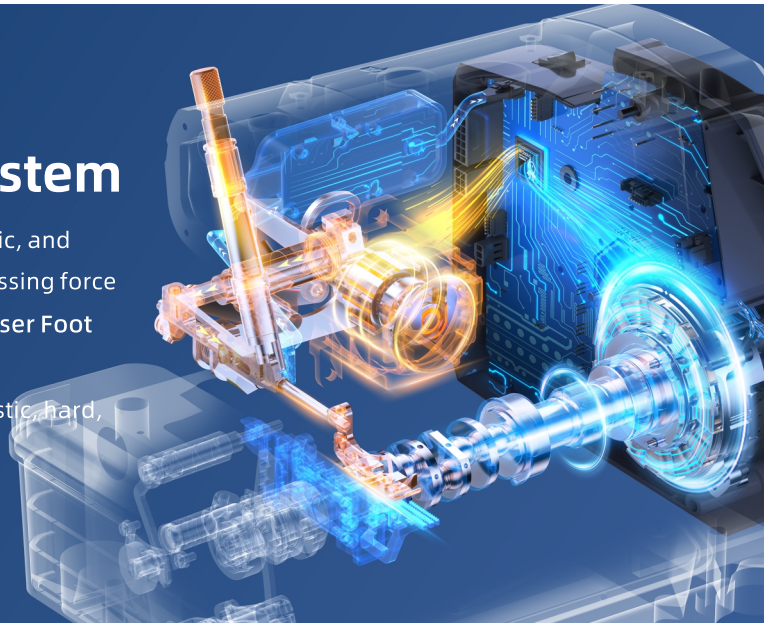
Presser Foot Transformer

Joint

Smart Rhino Feeding

# AI full speed feeding system

Real-time sensing position changes for the joint of fabric, and calculating the optimal coordination ratio between pressing force and feeding force through AI calculation,realizing **Presser Foot Transformer** and **Smart Rhino Feeding**,Synchronous response,cross through various joints of thick, thin, elastic, hard, etc. at full speed without slowing down.

- **Presser Foot Transformer:**
  **intelligent perception, real-time pressure change**
  32,000 times/second multi-modal intelligent detection + 1 million data models, achieving 0.00006 microsecond pressure response

- **Smart Rhino Feeding:**
  **intelligent matching, precise feeding**
  9.2Nm super torque + precise feeding force for every degree of 360 degrees

## Value for customer

Comprehensive work effiency increase reach more than **10**%+

## Technical Parameters

| Model | Use | Needle | Needle Number | Thread number | Needle gauge (mm) | Stitch width (mm) | Stitch length (mm) | Differential ratio | Height of presser foot (mm) | Max. sewing speed (S.p.m) | Volume (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C7-3-02/233 | Basic seam | 11# | 1 | 3 | / | 4 | 0.8-3.8 | 0.7-2 | 6 | 7000 | 525*360*510 | 33/41 |
| C7-4-M03/333 | Basic seam | 11# | 2 | 4 | 2 | 2×4 | 0.8-4.6 | 0.7-2 | 10 | 7000 | 525*360*510 | 33/41 |
| C7-5-03/233 | 5 x 5 stitch | 14# | 2 | 5 | 5 | 5×5 | 0.8-3.8 | 0.7-2 | 5 | 7000 | 525*360*510 | 33/41 |
| C7-5-03/333 | 3 x 4 stitch | 14# | 2 | 5 | 3 | 3×4 | 0.8-3.8 | 0.7-2 | 5 | 7000 | 525*360*510 | 33/41 |
| C7-5-53/233 | covered seam | 14# | 2 | 5 | 3 | 3×4 | 0.8-3.8 | 0.7-2 | 5 | 7000 | 525*360*510 | 33/41 |
| C7-5-M04/435 | For Denim | 19# | 2 | 2 | 5 | 5×6 | 0.8-5 | 0.8-1.5 | 7 | 6000 | 525*360*510 | 33/41 |
| C7-6-03/333 | Basic seam | 11# | 3 | 6 | 3×2 | 3×2×4 | 0.8-3.8 | 0.7-2 | 5 | 7000 | 525*360*510 | 33/41 |
| C7-6-53/233 | Six thread covered seam | 14# | 3 | 6 | 3×2 | 3×2×4 | 0.8-3.8 | 0.7-2 | 5 | 7000 | 525*360*510 | 33/41 |
| C7-6-M04/435 | For Denim | 19# | 3 | 6 | 5×2.5 | 5×2.5×3.5 | 0.8-5 | 0.8-1.5 | 7 | 6000 | 525*360*510 | 33/41 |