

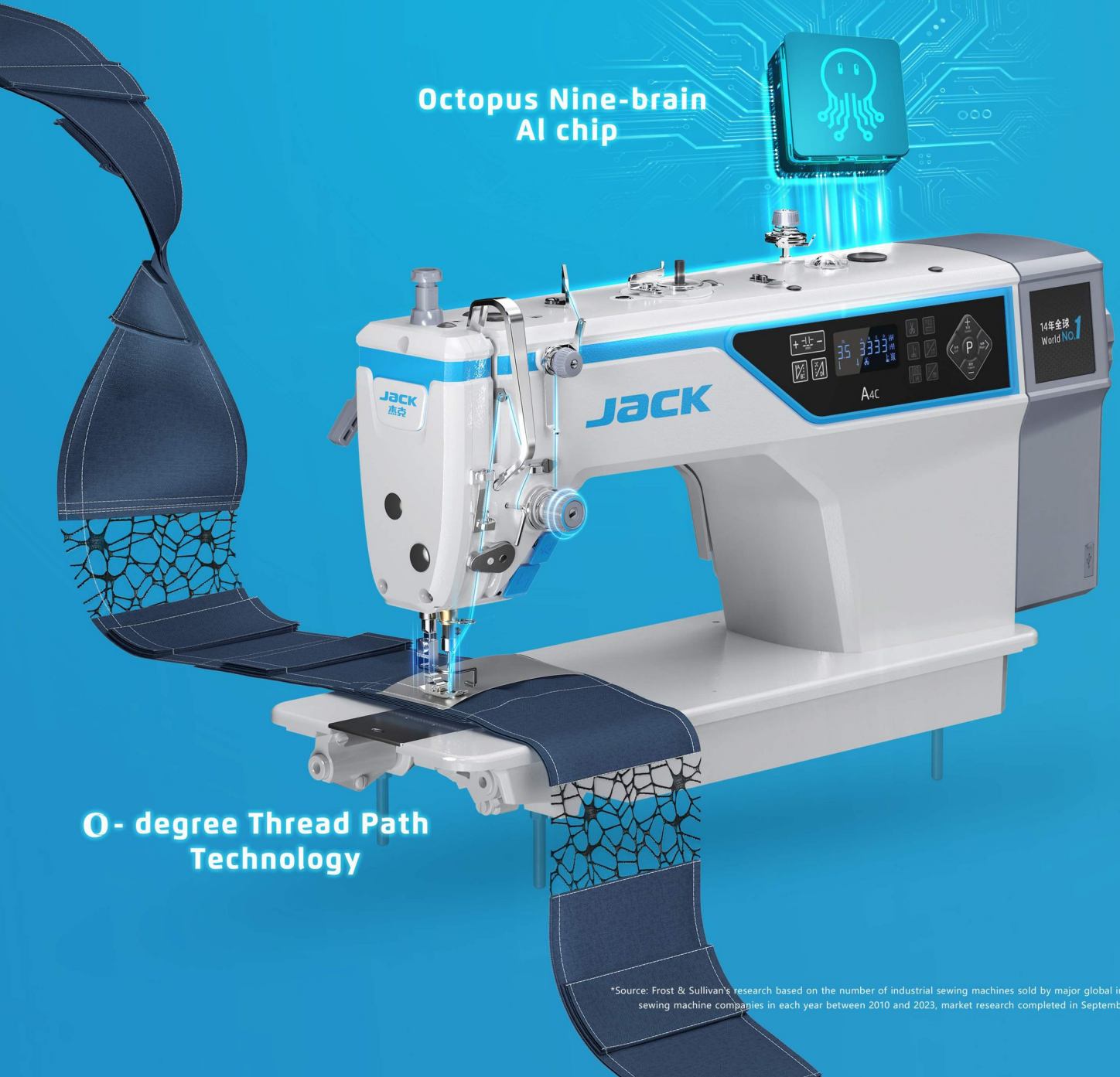
14 years  
World No.1\*

**JACK**

**A4C** **NTB**

**One Day One Threading**

Octopus Nine-brain  
AI chip

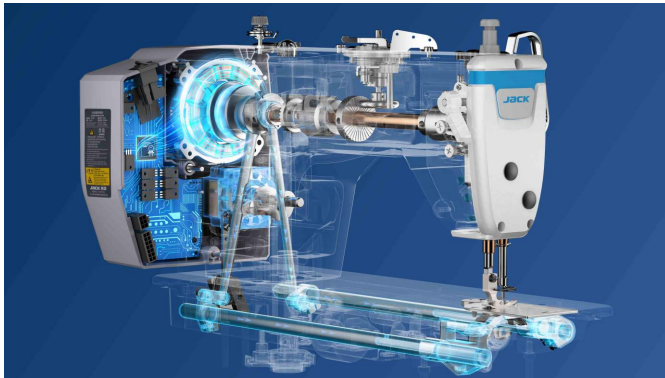
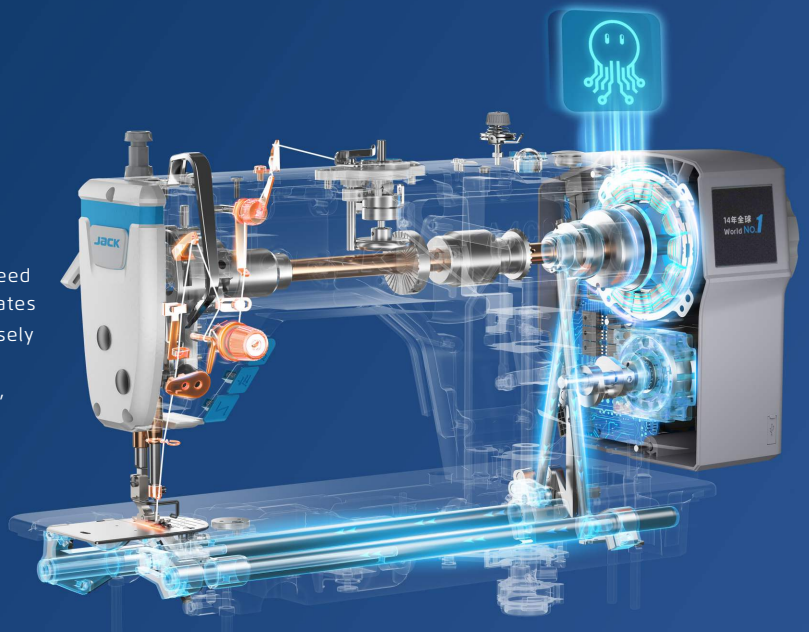


**O - degree Thread Path  
Technology**

\*Source: Frost & Sullivan's research based on the number of industrial sewing machines sold by major global industrial sewing machine companies in each year between 2010 and 2023, market research completed in September 2024.

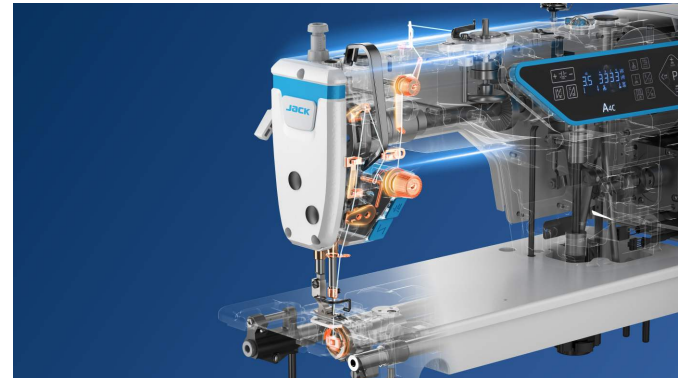
# NTB System

The **Octopus Nine - brain AI chip** calculates at high speed to generate the optimal fabric - feeding force. It collaborates with the **0 - degree Thread Path Technology** to precisely feed, wind, and catch the thread, achieving a perfect coordination among mechanisms such as thread - taking, thread - catching, and fabric - feeding.



## • Octopus Nine - brain AI chip:

Precisely outputs the fabric - feeding force, with **200,000** fabric samples + **10,000** times/second computing power.



## • 0 - degree Thread Path Technology:

Precise thread handling • Precise thread catching  
Jack's exclusive thread - passing technology reduces thread tension by **30%**.

## Customer Value

The comprehensive thread - breakage rate is reduced by **80%**

The overall output increases by approximately **5%**

## Technical Parameters

| Model     | Needle      | Thread number | Stitch length (mm) | Height of presser foot(mm) | Max. sewing speed (S.p.m) | Thin materials | Medium - thick materials | Thick materials | volume (mm) | Weight (kg) |
|-----------|-------------|---------------|--------------------|----------------------------|---------------------------|----------------|--------------------------|-----------------|-------------|-------------|
| A4C-C     | DBx1 11-18# | 2             | 5                  | 5-13                       | 5000                      | ✓              | ✓                        |                 | 695x295x550 | 36/42       |
| A4C-C-7   | DBx1 11-18# | 2             | 7                  | 5-13                       | 3500                      | ✓              | ✓                        |                 | 695x295x550 | 36/42       |
| A4C-CH-7  | DPx5 18-21# | 2             | 7                  | 5-13                       | 3500                      |                |                          | ✓               | 695x295x550 | 36/42       |
| A4C-CHL-7 | DPx5 18-21# | 2             | 7                  | 5-13                       | 3500                      |                |                          | ✓               | 695x295x550 | 36/42       |