Q. Explain embroidery machine?

An embroidery machine is a computer-controlled sewing system used to automatically create decorative stitching patterns on fabric. for garments, caps, home textiles, and uniforms. Each model uses multiple heads and needles to produce intricate designs with automatic thread trimming, color change, and error detection.

They are available in:

• Single-Head models — for sampling and customization

• Multi-Head models — for high-volume factory production

• Flagship series — for advanced features, speed, and network connectivity.

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Q. What are the uses of an embroidery machine?

An embroidery machine is used to create **decorative stitching, logos, monograms, and patterns** on garments, caps, bags, leather, and home textiles. Duke Jia machines handle everything from **custom apparel and branding** to **industrial-scale multi-head production** with options for **sequin, bead, cording, coiling, and taping** embroidery.

Q. What are the advantages of using a computerized embroidery machine?

Computerized embroidery machines like Duke Jia models offer **high speed, precision, and repeatability**, reducing manual errors.
They read **digital design files (DST, DSB, etc.)**, automate color changes, trimming, and pattern replication — ensuring **consistent, professional-quality embroidery** at industrial speeds.

Q. Which industries use embroidery machines?

A. Embroidery machines are used in **garment manufacturing, uniforms, fashion and bridal wear, home textiles, footwear, leather goods, and upholstery**.
They're essential for **branding, decorative stitching, and value-added design work** across apparel and textile industries.

Q. What materials can be embroidered?

Duke Jia embroidery machines can handle **cotton, polyester, denim, canvas, leather, PU, fleece, silk, and blended fabrics**.
With the right needles and tension, they can embroider **everything from soft T-shirts to thick jackets, bags, and caps**.

Q. How do embroidery machines read design files?

Duke Jia machines read **digital embroidery formats like DST, DSB, and Barudan** via **USB, or memory storage**.
Designs created in software such as **Wilcom or Pulse** are transferred to the machine's control panel for automatic stitching execution.

Q. What maintenance is required for an embroidery machine?

Routine **oiling, cleaning, and thread-path inspection** every 500 operating hours are essential.
Keep sensors, tension discs, and bobbins dust-free and follow HCA's **preventive maintenance schedule or AMC** for long-term reliability.

Q. How long does embroidery typically take?

Stitch time depends on **design size, density, and speed setting**.
At **800–1200 SPM**, a standard logo (5,000 stitches) finishes in about 5–7 minutes per head; multi-head units run designs simultaneously for faster bulk output.

Q. What are the uses of a perforation machine?

Perforation machines are used to **punch precise holes and decorative patterns** on **leather, PU, PVC, and synthetic fabrics**. Duke Jia perforation models—like **DY-SK-D2-10Z** and **DY-SK-D2-2.0RH**—are ideal for **car seats, upholstery, footwear uppers, and design ventilation panels**.

Q. What are the uses of an embroidery + perforation machine?

Hybrid models such as **DY-PE750×600** combine **stitching and punching** in one setup, perfect for **leather goods, footwear, and automotive interiors**, enabling decorative embroidery and precision perforation in the same pass.

Q. I need a perforation machine?

For **leather, PU, and upholstery perforation**, choose from Duke Jia's dedicated perforation range:

- **DY-SK-D2-10Z** — 10-head CNC machine for **bags, footwear uppers, and mid-scale seat panels**.
- **DY-SK-D2-2.0RH** — 12-head heavy-duty model for **large-scale car seats, leather interiors, and upholstery factories**.
  Both deliver **0.8 – 2.5 mm** precision hole punching, automatic feeding, and digital pattern control for **decorative and functional ventilation designs**.

Q. I need a perforation machine for leather bags?

Choose **DY-SK-D2-10Z**, a **10-head CNC perforation machine** designed for **leather goods, handbags, and décor panels**.
It delivers clean, uniform holes (0.8 – 2.5 mm) and decorative patterns on **PU, PVC, or genuine leather**, perfect for **bag fronts, straps, and trims**.

Q. I need a perforation machine for car seats or shoes.

For **car seats and footwear uppers**, choose:

- **DY-SK-D2-2.0RH** — **12-head heavy-duty** perforation system for **automotive upholstery and seat covers**.
- **DY-SK-D2-10Z** — **compact 10-head** model ideal for **shoe uppers, panels, and smaller leather parts**.
  Both support **automatic feeding, CNC design control**, and **adjustable punch sizes (0.8 – 2.5 mm)** for precise patterning.

Q. What are the uses of a quilting machine?

Quilting machines like **DY-CS3000** join **multiple fabric layers** using **chain-stitch quilting patterns** over large widths (up to 2450 mm). They are used in **mattresses, comforters, quilts, and padded home-textile products** for even, durable stitching.

Q. I need a quilting machine?

Choose **DY-CS3000**, Duke Jia's **computerized multi-needle chain-stitch quilting machine**.
It has a **2450 mm quilting width**, handles up to **60 mm sewing thickness**, and runs at **600–1200 RPM** for **mattresses, quilts, comforters, and padded home-textile panels**.
Fully CNC-controlled for **precise, repeatable stitch patterns** and long-run reliability.

Q. What materials can be quilted on DY-CS3000?

The **DY-CS3000** can quilt **cotton, polyester, foam, non-woven fabric, microfiber, and blended textile layers**. It's ideal for **mattresses, quilts, comforters, and padded furniture fabrics**, maintaining uniform stitch quality across soft or medium-density materials.

Q. What is the difference between quilting and embroidery?

Quilting joins **multiple fabric layers** with chain-stitch patterns for padding or insulation (e.g., bedding, comforters).
Embroidery adds **decorative stitching or logos** on a single fabric layer. Quilting is structural; embroidery is decorative.

Q. I need a quilting machine for mattresses or blankets?

Choose **DY-CS3000**, a **computerized multi-needle chain-stitch quilting machine** with **2450 mm quilting width** and up to **60 mm thickness** capacity—perfect for **mattresses, duvets, bedspreads, and blanket quilting**.

Q. I need an embroidery machine (general recommendation).

Start with **DY-1201 — single-head, 12-needle**, **350×500 mm** area. Handles **T-shirts, caps (270°), uniforms, logos**; reliable starter/workhorse.

Q. I need a compact embroidery machine (small space).

DY-1201S — single-head, 12-needle, **300×350 mm**. Boutique-friendly footprint with **flat/tubular/270° cap** frames.

Q. I need a large-frame single-head machine.

DY-1201L — single-head, 12-needle, **400×600 mm (up to 500×800 mm)**. Supports **sequin, bead, cording, coiling, taping**.

Q. I need extra-wide single-head for big panels.

DY-1201XL — single-head, 12-needle, **500×1200 mm**. Ideal for **jacket backs, curtains, bedsheets**.

Q. I need a single-head for heavy fabrics/leather-lite.

DY-1201H — **single-head, 12-needle**, **500×400 mm** with **reinforced frame** for denim/canvas and tougher materials.

Q. I need a beginner/light professional unit.

HALO-100 — **single-head, 12-needle**, **240×320 mm**. Compact, quick changeovers for light pro/boutique work.

Q. I need a portable/small studio machine.

ES-1300 — **single-needle** portable system for **labels, monograms, tiny motifs**.

Q. I need an embroidery machine for caps.

A. DY-1201 / 1201L / 1201H / 1201S — all **single-head, 12-needle** with **270° cap** frames. For bulk caps, choose **DY-1204** (4-head) or **DY-1206** (6-head), **400×450 mm per head**.

Q. I need an embroidery machine for T-shirts/garments.

DY-1201 / 1201S for custom/sampling. For production, **DY-1206 (6-head)** or **DY-912 (12-head)** — **400×450 mm per head**.

Q. I need a machine for logos/badges.

DY-1201 for custom logos (single-head, **350×500 mm**). For factory runs, **DY-1206 / 1206H** (**6 heads**, **400×450 mm** per head).

Q. I need decorative (sequin, bead, cording, coiling, taping).

A. Single-head: DY-1201L / 1201XL. Mixed/special: **DY-602+2** (**2 heads, 6-needle**, **600×600 mm**) or **DY-606+6** (**6 embroidery + 6 special**).

Q. I need a 2-head embroidery machine.

DY-1202H — **2 heads, 12-needle**, **~500×500 mm**; reinforced frame. **DY-1202HC** — **2 heads, 12-needle**, **400×800 mm per head** (wide field).
(**multi-color option: DY-1502 — 2 heads, 15-needle.**)

Q. I need a 3-head / 4-head / 6-head embroidery machine.

3-head: DY-1203H (**400×450 mm/head**). **4-head: DY-1204** (**400×450 mm/head**). **6-head: DY-1206 / 1206H** (**400×450 mm/head**, 1206H optional **15-needle**).

Q. I need a high-volume multi-head line.

DY-912 (**12 heads, 9-needle**, 400×450 mm/head), **DY-915**(15 heads, 9-needle, **400×1200mm/head** long frame), **DY-918** (**18 heads, 9-needle, 400×800 mm (X up to 1200**)).

Q. I need embroidery + perforation in one machine.

 DY-PE750×600 — 1 embroidery head (9-needle) + 1 perforation head, 100×100 to **750×600 mm** stitch-and-punch for **leather/PU/fabric**.

Q. I need chenille/chainstitch along with flat embroidery.

 DY-1201+1CT — 12-needle flat + chenille/chainstitch, **560×1200 mm** area. (Chenille-only single-head option: **DY-601CTM**, **500×800 mm**.)

Q. I need coiling/taping along with flat embroidery.

DY-1201+1PD — 12-needle flat + coiling/taping, **560×1200 mm**; ornamental cords/tapes for couture/ethnic wear.