

FAQs: Why DACHANG is Recognized as a China Top Wet Wipes Machine ODM Manufacturer



Quanzhou, Fujian Jun 3, 2026 ([Issuewire.com](https://www.issuewire.com)) - The global nonwoven product industry has undergone a deep technological transformation, evolving from simple mechanical slicing into a sector driven by smart, high-speed automation. At the center of this change is original design manufacturing (ODM), a business model that defines the cutting edge of industrial engineering. In this highly specialized market, a **[China Top Wet Wipes Machine ODM Manufacturer](#)** does not simply follow external blueprints or assemble generic parts. True ODM leaders handle the full product life cycle, combining raw material science, mechanical design, and international trade into one single efficient operation. This full technical integration allows manufacturers to turn shifting consumer needs—such as the global demand for eco-friendly fabrics or high-speed hygienic packaging—into highly reliable factory machinery. Since its establishment in 1998, **[DACHANG](#)** has led this sector by designing automated production lines that perfectly balance high-volume output with micro-level precision, setting the standard for global supply chains.

To understand why a company earns a top position in this competitive landscape, taking **[DACHANG](#)** as an example, it helps to break down the technical differences that separate basic equipment assemblers from world-class ODM industrial innovators.

Q1: What core design capabilities define a "Top ODM" in the industrial automated machinery sector?

A true "Top ODM" is defined by its ability to create new technology rather than copy existing designs. In high-speed automation, standard manufacturers build equipment based on client designs or generic, public blueprints. In contrast, an elite ODM provider operates as an independent research institution and a precision machine builder at the same time. This means the company designs the full mechanical layout, programs the electronic control logic, and builds the fluid dynamics systems completely in-house.

This independent development capability is built on deep historical experience. Over more than twenty years of research and production, Dachang has designed and built milestone systems, including the first fully automatic wet wipe forming and packaging machine in China. A top-tier ODM manages the entire lifecycle of its technology. This lifecycle moves from initial physical and chemical research on nonwoven materials to advanced 3D mechanical modeling, precision manufacturing, and final factory testing. By controlling the entire design process, a premier ODM can customize complex equipment to meet specific client needs without losing the structural integrity required for long-term industrial operations.

Q2: How does a top ODM partner transform a patent portfolio into commercial value for global factories?

A large number of patents shows strong research capabilities, but a premier ODM is defined by its ability to turn theoretical patents into practical, high-efficiency factory machinery. Many patents in the manufacturing industry remain simple concept drawings that are never built. A leading ODM ensures that every engineering breakthrough directly solves real-world production problems, such as reducing material waste, lowering energy use, or preventing machine downtime.

The link between research and practical machine value is a core part of a leader's intellectual property strategy. Dachang holds 59 national patents, and every single one has been successfully commercialized and built into machinery running on factory floors worldwide. For international brands, this means the machinery includes field-tested innovations that directly improve reliability. These innovations include specialized rewinding systems, precise web-tension controls, and advanced electronic synchronization that allows a single machine line to easily handle diverse nonwoven materials—from thick spunlace to delicate flushable fabrics—without losing performance.

Q3: What specific engineering metrics define a "Top Wet Wipes Machinery Manufacturer" during high-capacity operations?

A basic equipment builder can create a machine that works well at slow demonstration speeds, but a "Top Wet Wipes Machinery Manufacturer" is defined by how well its equipment maintains micro-level precision during continuous, high-speed mass production. In high-capacity manufacturing, even tiny vibrations or millisecond delays in cutting can ruin hundreds of products and cause expensive line stoppages.

This high-performance engineering is clearly visible in the technical specifications of flagship machinery, such as the DCW-4300 Full-Automatic Wet Wipes Folding Machine. This 12-line production system is built for large-scale factories and operates with precise mechanical and electronic synchronization. The system runs on a three-phase 380V 50HZ electrical layout with a total power consumption of 15KW. It handles raw material widths from 800mm to 1320mm, roll diameters up to 1200mm, and fabric weights from 35g/m² to 80g/m².

Operating at speeds between 400 and 450 cuts per minute, the machine yields 8, 10, or 12 folded sheets per cut depending on the configuration. To maintain this high speed without tearing the material, the manufacturer must use ultra-precise servo motors and perfectly machined cutting heads. This ensures that the material feeding, slitting, longitudinal folding, and liquid wetting processes stay perfectly aligned during hours of continuous operation.

Q4: How does a top-tier machinery manufacturer design systems to meet strict hygiene and multi-product requirements?

Wet wipes are used directly on human skin, in medical environments, and for sterile applications. Therefore, a top-tier machinery manufacturer must focus on strict sanitary engineering and versatile production design. The machine architecture must prevent bacteria growth, allow for fast thorough cleaning, and process different chemical solutions without corroding components or cross-contaminating products.

Advanced production machinery is engineered with clean-in-place (CIP) systems and uses premium stainless steel surfaces across all product contact zones. This sanitary design allows global factories to safely manufacture products for different consumer segments on the same production line:

- **Infant Care:** Processing thick, soft spunlace fabrics with precise tension control to prevent stretching the baby wipes.
- **Medical & Disinfection:** Using chemical-resistant piping and fluid systems that safely handle high concentrations of alcohol or specialized antimicrobial formulas.
- **Cosmetic & Personal Care:** Utilizing gentle mechanical folding and exact fluid dosing to keep skin care and makeup-removal wipes perfectly saturated and sealed.
- **Household Cleaning:** Managing rough, abrasive materials for industrial degreasing wipes without dulling the high-hardness cutting blades.

Conclusion

Ultimately, the distinction of a true industrial leader rests on the clear separation between basic machine assembly and visionary engineering. A **Top ODM** stands out by mastering the entire intellectual property lifecycle—turning proprietary R&D, structural patents, and in-house design capabilities into field-tested realities. At the same time, a **Top Wet Wipes Machinery Manufacturer** proves its value through pure machine performance, engineering heavy-duty production lines that maintain micro-level precision, strict sanitary compliance, and seamless peripheral automation during continuous high-speed runs. By combining these two strengths, a premier manufacturing partner does not simply supply equipment; they deliver a future-proof manufacturing framework that optimizes overall equipment effectiveness and secures a sustained competitive edge for global brands in a fast-evolving consumer market.

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