

## Machining Capability Sheet – Toys & Sports Goods

*(IndiaUnbox Verified Factories & Artisan Units)*

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### Toy Manufacturing Capabilities

- **Wooden Toys (Channapatna, Varanasi, Saharanpur):**
    - Lathe machines, turning tools, sanding & polishing units.
    - Lacquer coating with natural, non-toxic colors.
  - **Plastic Toys (Noida, Delhi NCR):**
    - Injection molding machines (10–400 tons).
    - Blow molding, extrusion machines for hollow toys.
    - Printing & assembly lines for puzzles, board games.
  - **Plush & Fabric Toys:**
    - Cutting, stitching, embroidery, stuffing machines.
    - Safety sewing (double-lock stitching).
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### Sports Goods Manufacturing

- **Ball Production (Jalandhar, Meerut):**
    - Hand-stitching machines, lamination presses, vulcanizing units.
    - Rubber molding machines for footballs, basketballs, volleyballs.
    - Latex dipping for bladder manufacturing.
  - **Cricket Gear (Meerut, Jalandhar):**
    - Willow cutting & pressing machines.
    - Bat shaping, handle binding, polishing units.
    - Leather tanning & ball stitching machines.
  - **Other Equipment:**
    - Injection molding for protective gear.
    - Composite molding for hockey sticks, rackets.
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### Testing & Quality Control

- **Toy Testing:** EN-71, ASTM F963, BIS.
  - Drop tests, tensile strength, flammability, sharp edge testing.

- Chemical tests for lead, phthalates, azo dyes.
  - **Sports Testing:**
    - Weight, bounce, seam strength for balls.
    - Durability, grip, balance for bats & rackets.
    - Fitness gear stress and fatigue tests.
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### **Sustainability & Compliance**

- Non-toxic paints & food-grade coatings for toys.
  - Eco-friendly materials: bamboo, recycled plastic, natural rubber.
  - Compliance with EU, US, and Indian child safety standards.
  - Factories with ISO 9001, SA 8000, SEDEX certifications.
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### **Regional Strengths**

- **Jalandhar (Punjab):** Balls, protective gear, fitness goods.
  - **Meerut (UP):** Cricket bats, boxing gloves, fitness equipment.
  - **Channapatna (Karnataka):** Wooden lacquer toys.
  - **Noida/Delhi NCR:** Plush toys, puzzles, board games.
  - **Kerala:** Rubber toys & sports accessories.
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### **IndiaUnbox Assures:**

- Certified & compliant factories.
- Flexible production: small-batch runs to large-scale exports.
- Strict QC, export packaging, and global delivery timelines.

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