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› LYREIGN CNC Tool Rack MTTA2 (CAT30-20CAP) Instruction Manual

LYREIGN MTTA2

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Instruction Manual

Model: MTTA2 (CAT30-20CAP)

1. INTRODUCTION

This manual provides instructions for the assembly, operation, and maintenance of your LYREIGN CNC Tool Rack, model MTTA2 (CAT30-20CAP). Please read this manual thoroughly before use to ensure proper function and safety. This tool rack is designed for organizing and transporting CNC tools within warehouses and machining centers.



Figure 1: LYREIGN CNC Tool Rack MTTA2 (CAT30-20CAP)

2. SAFETY INFORMATION

- Always ensure the tool rack is on a stable, level surface before loading or unloading tools.
- Do not exceed the maximum weight limit of 1000 pounds (453 kg).
- Engage the wheel brakes when the cart is stationary to prevent accidental movement.
- Distribute weight evenly across the shelves to maintain stability.
- Keep hands and fingers clear of moving parts, especially during assembly and when moving the cart.
- Wear appropriate personal protective equipment (PPE) when handling tools or assembling the unit.

3. PACKAGE CONTENTS

Verify that all components are present before beginning assembly. Refer to the assembly instructions for a detailed list of parts.

- Main frame components (cold rolled steel panels)
- Shelves/partitions
- Tool holder inserts (CAT30-20CAP specific)
- Wheels (2 directional, 2 swivel with brakes)
- Handles (aluminum alloy)
- Fasteners and assembly tools (if required)
- Instruction manual

4. SETUP AND ASSEMBLY

The LYREIGN CNC Tool Rack is designed for straightforward assembly. Follow the included installation instructions step-by-step.

1. Unpack all components and lay them out on a clean, flat surface.
2. Attach the wheels to the base frame. Ensure the two swivel wheels with brakes are positioned for easy access.
3. Assemble the main frame structure using the provided fasteners.
4. Install the shelves into the designated slots.
5. Insert the CAT30-20CAP tool holder inserts into the top section. These are designed for screw-free mounting.
6. Attach the aluminum alloy handles to the top of the unit.
7. Verify all connections are secure before use.



Figure 2: Illustration of screw-free tool holder mounting and steel plate thickness.

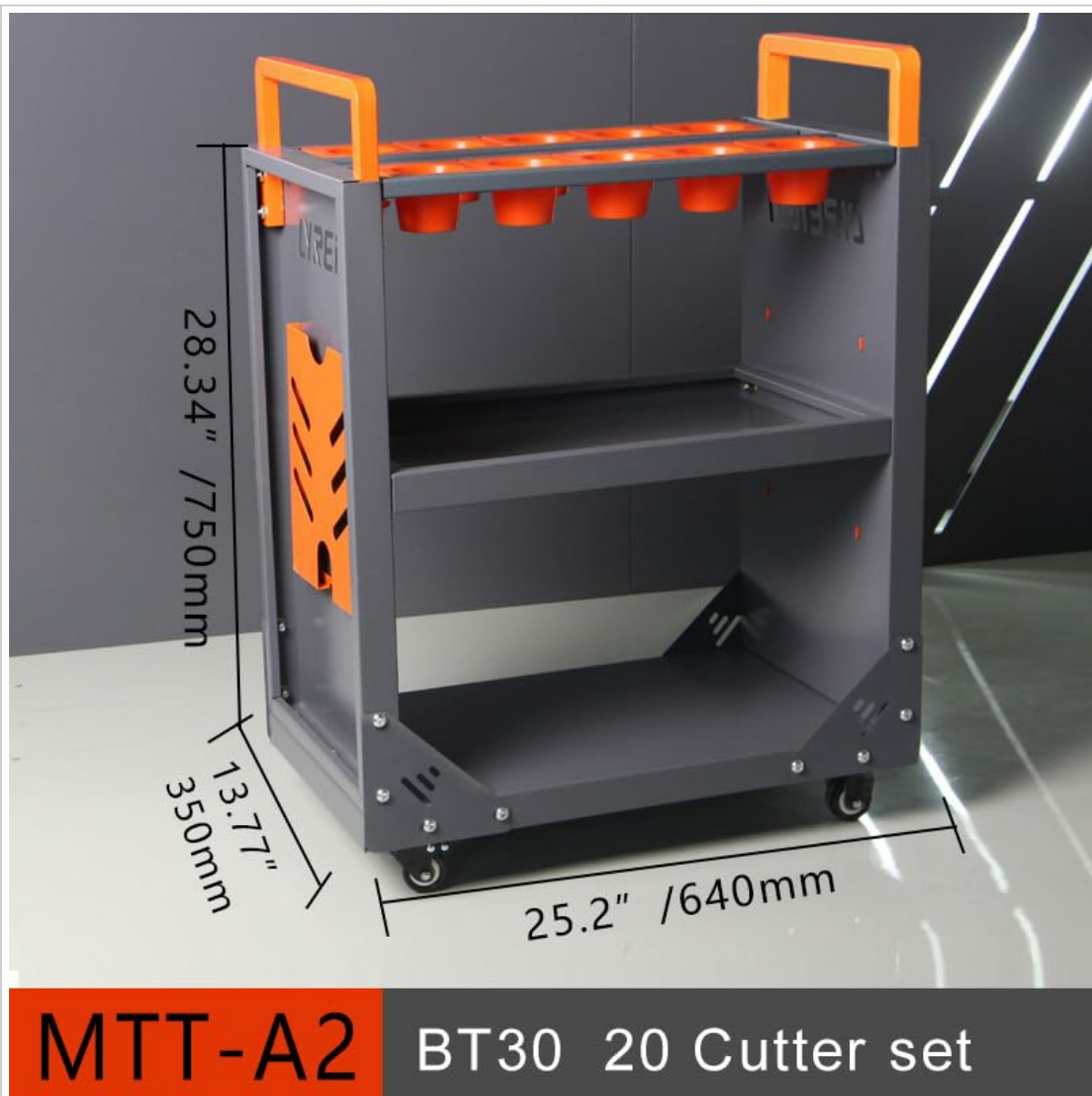


Figure 3: Product dimensions for model MTTA2 (CAT30-20CAP).

5. OPERATING INSTRUCTIONS

This tool rack is designed for efficient organization and transport of CNC tools.

- **Loading Tools:** Place CNC tool holders into the designated slots on the top tier. The CAT30-20CAP configuration is designed for specific tool types.
- **Storage:** Utilize the two layers of partitions for additional storage of accessories, smaller tools, or components. The side file box can be used for documents or small items.
- **Mobility:** To move the cart, release the brakes on the swivel wheels. Use the aluminum alloy handles to push or pull the cart. The two directional wheels provide stability during movement, while the two swivel wheels allow for easy steering.
- **Stationary Use:** When the cart is in its desired location, engage the brakes on the swivel wheels to secure it in place.

Load-bearing capacity more than 500kg



Figure 4: Load-bearing capacity and lower storage area.

Product comparison

RGT-MTT

Brand and patent
product warranty 3 years



Aluminium alloy handle



Side file box



Other products

No Brand logo
no warranty



Perishable plastic handle



There is no side file box



Figure 5: Aluminum alloy handles and integrated side file box.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your tool rack.

- **Cleaning:** Wipe down the surfaces with a damp cloth to remove dust, grease, and debris. Avoid abrasive cleaners that may damage the finish.
- **Wheel Inspection:** Periodically check the wheels for wear and tear. Ensure they rotate freely and the brakes function correctly. Clean any debris from the wheel casters.
- **Fastener Check:** Regularly inspect all bolts and fasteners to ensure they remain tight. Tighten any loose connections to maintain structural integrity.
- **Tool Holder Inserts:** Ensure tool holder inserts are clean and free of chips or obstructions to prevent damage to tool holders.

7. TROUBLESHOOTING

If you encounter issues with your LYREIGN CNC Tool Rack, refer to the following common solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Cart is difficult to move or steer.	Brakes engaged; debris in wheels; uneven load.	Release brakes; clean wheels; redistribute load evenly.
Cart feels unstable.	Loose fasteners; overloaded; uneven load.	Check and tighten all fasteners; ensure weight is within limits and distributed evenly.
Tool holders do not fit properly.	Incorrect tool holder type; debris in slots.	Ensure tool holders match CAT30 taper; clean slots.

8. SPECIFICATIONS

Feature	Detail
Model	MTTA2 (CAT30-20CAP)
Product Dimensions (D x W x H)	13.7" x 25" x 29.5" (34.8 cm x 63.5 cm x 74.9 cm)
Material	Cold Rolled Alloy Steel
Color	Black, Orange
Number of Shelves	1 (plus top tool holder tier)
Weight Limit	1000 Pounds (453 kg)
Item Weight	17 Pounds (7.7 kg)
Number of Wheels	4 (2 directional, 2 swivel with brakes)
Assembly Required	Yes
Special Feature	Removable box design, silent rubber wheels

9. WARRANTY AND SUPPORT

LYREIGN is committed to providing high-quality products. This product is manufactured with durable cold rolled steel and features aluminum alloy handles for reliability.

For any questions or assistance, please contact LYREIGN customer support. We aim to provide solutions within 24 hours.

Contact Information: Refer to your purchase documentation or the LYREIGN official website for the most current support contact details.

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LYREiGN quality assurance

LYREiGN does not produce inferior products, only cost-effective products

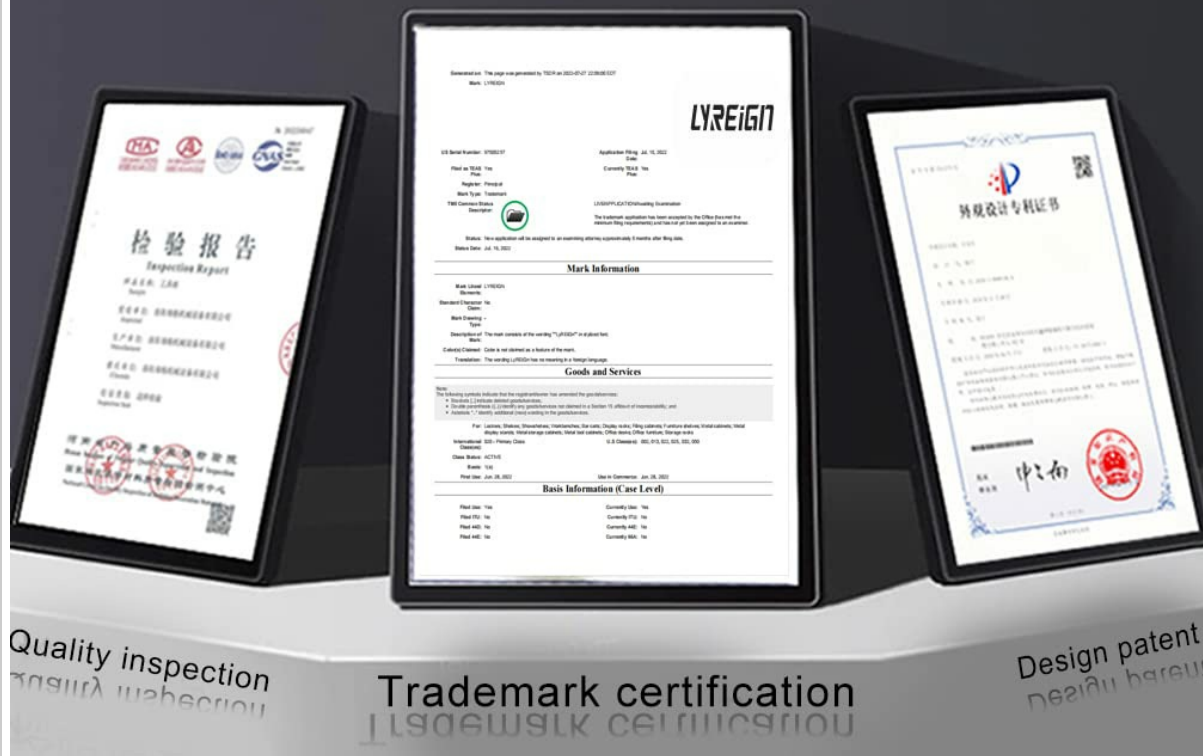


Figure 6: LYREiGN quality assurance documentation.