




UNITY

Optimal Manufacturing Solution

UNITY Hardware Ltd.



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With over **20** years of manufacturing and trading experiences, Unity offers a wide range of architectural hardware products suitable for commercial, hospitality, residential and DIY markets. In addition to OEM manufacturing, Unity aims to provide the one-stop solution for our customers from requirement translation, specification defining, prototyping and simulation, product testing and verification, production planning and management, quality assurance, consolidation and logistics.

Manufacturing

Headquarter located in Nanjing, China, Unity Hardware has two main manufacturing facilities situated at Wuxi, Jiangsu and Jiangmen, Guangdong. We manufacturing with a wide range of materials such as extruded brass, stainless steel, mild steel, zinc/aluminum alloy and other relevant material such as plastic parts.

Wuxi Manufacturing Plant



Jiangmen Manufacturing Plant



Manufacturing Capabilities



Stamping/Progressive Stamping



Laser Cutting



Manual and Automated Polishing



Pressure Die-Casting



Automated Welding



CNC Machining: Turning/Milling



Investment Casting (Stainless Steel)



Electro Plating



Power Coating



Assembly and Coordinated Packaging



Laser Marking



Automated Packaging

Other Services



- Translate customer's requirement into manufacturing specifications
- Proactive production quality improvement
- Value Analysis/Value Engineering
- 3D Prototyping/Simulation
- Product/Component Sourcing

Product

Product Category

Following is a digest of what we can offer as the standard product range, OEM manufacturing according to specific customer requirement is another important part of our offering. For our complete and latest product lines, please refer to our website at

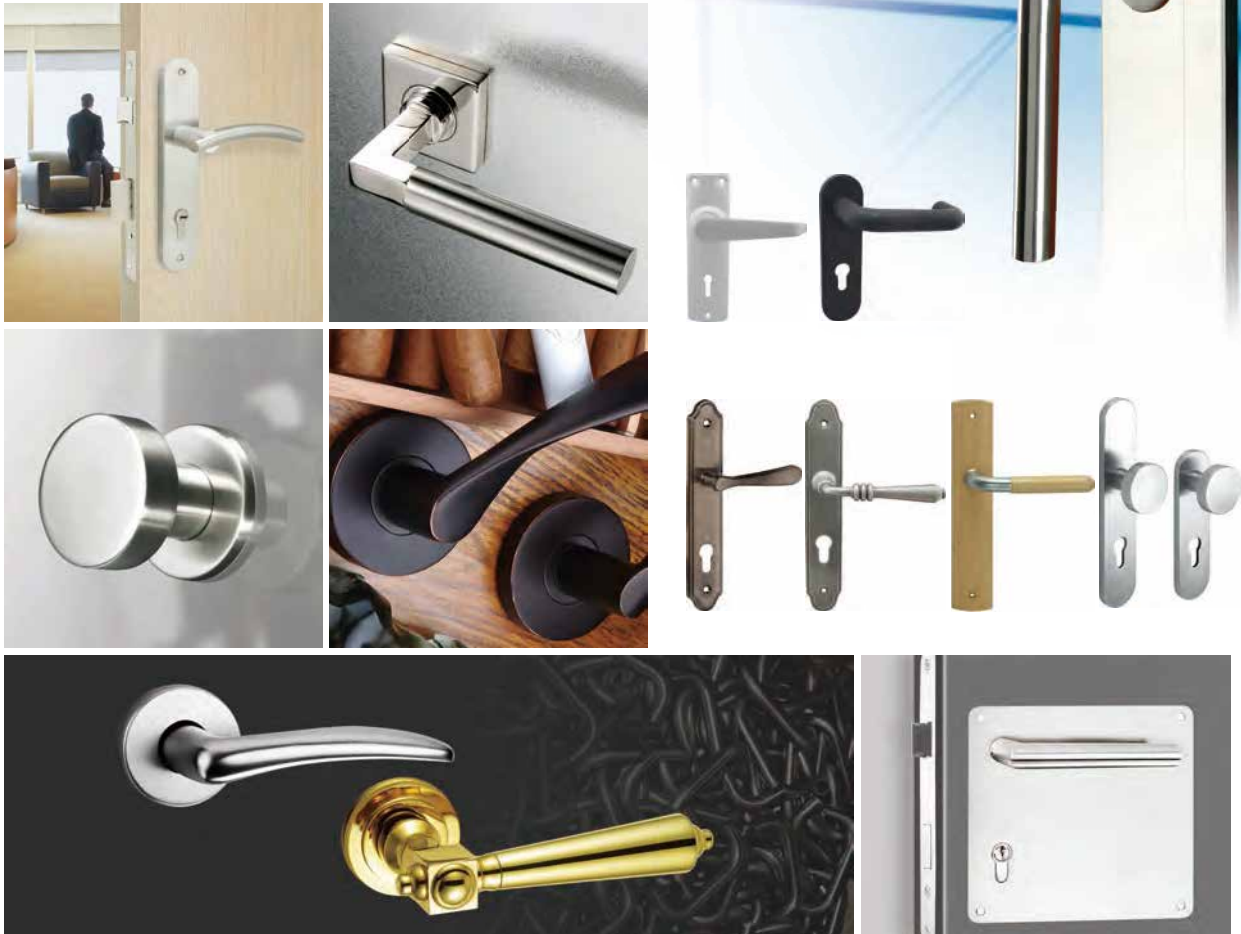
unityhardware.com

unityhardware.en.alibaba.com



Lever Handle and Knob

Unity manufacturer a wide range of lever handle and knob in a various material such as stainless steel, Aluminium/Zinc alloy, Brass, Iron/mild steel, Plastic. We supply our handle product ranges to commercial applications meeting EN1906: 2010 standards (Grade 4/Grade 3) as well as residential/DIY applications with retail packaging and selection of finishes.



Packaging



Mortise Locks and Latches

Unity offers mortise lock and latch products for major European countries with specifications. We manufacture our lock products to EN12209: 2013 standards and fire rated (EN1634-1) for commercial application.



ML10 Series



ML20 Series



ML50 Series



ML60 Series



ML90 Series



ML31 Series



TL Series



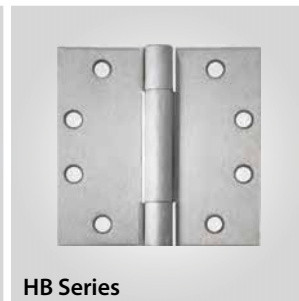
MG Series



ML30 Series

Hinges

Unity offers a standard range of hinges as well as capability to produce hinges into customer's specification. Unity's stainless steel butt hinges have been tested to EN1935: 2002 (Grade 13/Grade 10) and also fire rated to EN1634-1.



Cylinder for locks

Unity's profile cylinders are suitable for most of the European locks with EN standards and they are tested to EN1303: 2005 standards for commercial/industrial standards.



Pull Handle

Unity's door pull handles are suitable to various door fixings from timber, hollow metal, profile and glass door application.



Door Closer

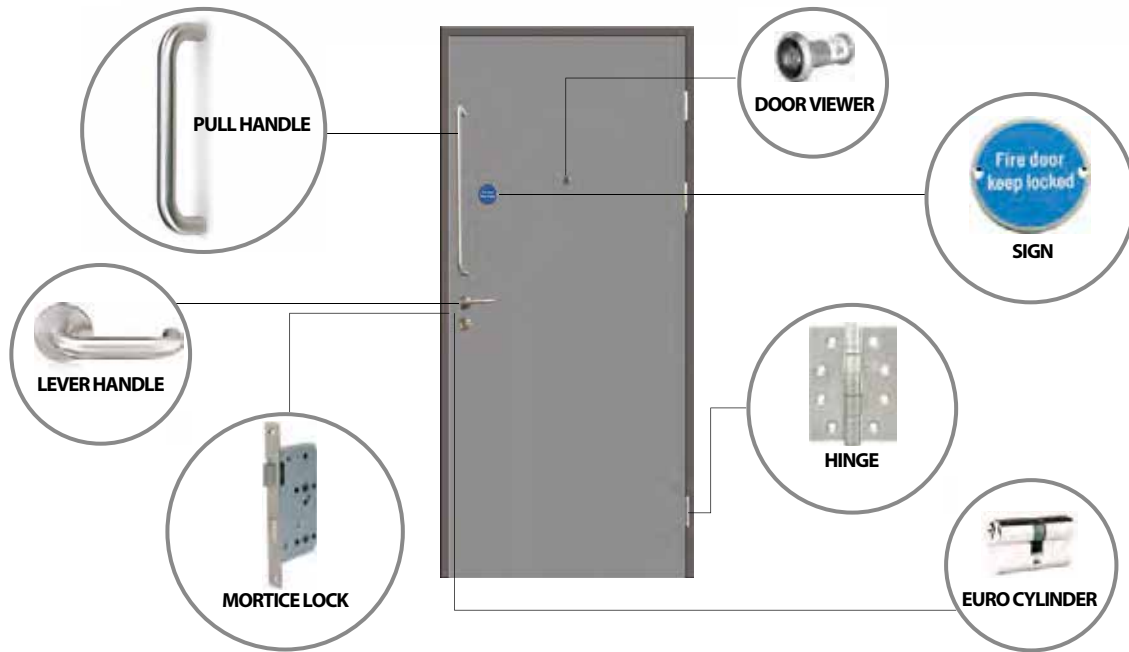
Unity offers three standard ranges of overhead door closers which has been tested to EN1154: 1996/A1: 2002/AC: 2006 and CE Certified.



Accessories

Unity has a wide range of accessory items for different door and window applications that compliment to all the other hardware products we offer.





UNITY Fire Rated Hardware Sets have been successfully tested on a fire resistant metal doorset to 4 hours (240 minutes) including our lever handles, hinges, mortise locks, euro cylinders, door viewers, pull handles and signage. After the 4-hour burn and positive pressure hose stream test, the hardware was firmly attached to the door; making the complete hardware set and its components suitable for nearly all fire resistant metal door openings and commercial applications.



Before Test
Exova Testing Environment



After Test
Exceeded 4 Hours 24 Minutes



After Hose Stream
Hardware still firmly attached

* EN1634-1: 2014 - Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance test for door and shutter assemblies and openable windows.

Testing/Verification

In order to assist product development as well as internal manufacturing verification, Unity builds testing facilities according to CEN/EN and BHMA/ANSI standards and requirements.

- EN1906:2012 Lever Handle and Knob Furniture
- EN 12209:2013 Locks and latches
- EN1935:2002 Single-axis Hinges
- EN1303:2015 - Cylinder for locks
- EN1670:2007 - Corrosion resistance

- ANSI/BHMA A156.1-2013 - Butts & Hinges
- ANSI/BHMA A156.2-2011 - Bored and Preassembled Locks and Latches
- ANSI/BHMA A156.6-2010 - Architectural Door Trim
- ANSI/BHMA A156.18-2012 - Materials and Finishes



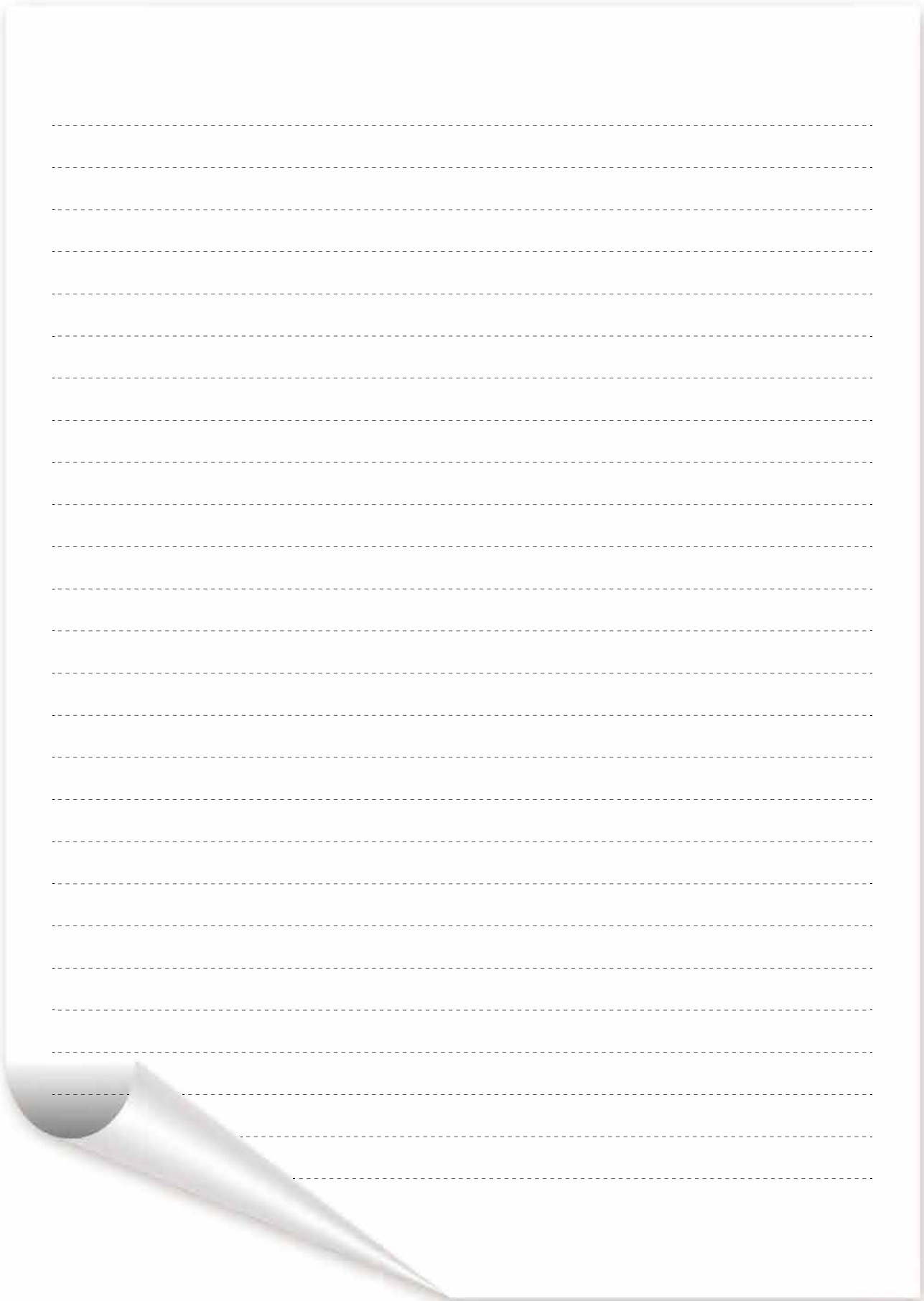
Accreditation and Certification



Unity works with accredited testing and certification organizations such as Exova / Warrington Fire at UK and Intertek NA at USA for independent testing. Unity is able to offer a suite of products that are tested and certified to EN1634-1 and UL10c fire rating. We also offers CE / Certifire marked products that are suitable for relevant commercial applications.

Certificates and test reports are available upon request.





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