



# 26 ADVANTAGES OF USING Ulna - SYSTEM SOLUTIONS

*by* SAMA Monaco



Ulnabact clear lacquer, 10-year guarantee



**A – LEGAL / REGULATORY**



In 1986, the bill called the « Americans with Disabilities Act » (A.D.A) stated that: “There could be no discrimination towards a person with a disability.” Therefore, companies, accommodation sites and local communities must, since signing the Act in 1990: “accommodate for employees and the general public with all types of disabilities.” The Ulna-System handles are entirely in keeping with these accommodations.



Fully compliant with France’s 2005 law on disability promoting accessibility, autonomy and independence of persons with a disability.



This law was adopted by the UN Convention on the Rights of Persons with Disabilities.



This UN Convention was ratified by the European Union on December 23, 2010. Disability and dependency have now become global issues.



Fully compliant with European Standard **EN 1906** tests of resistance, strength, torsion, distorsion on lever handles. ULNA handles are a guarantee of quality and reliability.



Fire-rated at 36 minutes following testing on a 1/2-hour fire door. Therefore, ULNA handles can be installed on 1/2-hour fire doors.



ULNA is a SAMA registered trademark. Ulna is the medical name of the bone under the radius bone, running between elbow and wrist, when looking at the forearm in palm-down position.



ULNA has the here under listed patents, and is the first handle in the world to offer the following features :

- **The door can be opened with forearm or elbow**, which is hygienic, ergonomic, and practical when hands are full,
- **The handle can be adjusted to 9 different heights across a range of 130°**, to suit any size person,
- **Minimum force and twist** are required to manoeuvre the handle – and no need to turn the handle all the way when opening the door – which are useful for anyone who finds it difficult or painful to move their shoulder, arm, wrist or hand or is on crutches...
- **The handle can be changed in 1 click** thanks to the curved magnetic field generated by ULNA Pass.



**B – HYGIENE**



100% hygienic because the forearm or elbow is used to open or close a door, leaving the hand unaffected by any germs, bacteria, viruses or fungus deposited by the previous user.



Hand-transmitted contamination, which is responsible for some 80% of the spread of germs, is reduced to virtually nil.



Resistant to all commonly used detergents and disinfectants in hospitals, such as peracetic acid and hydrogen peroxide.



We offer an optional “easy clean” protective antimicrobial transparent Ulnabact varnish for our handles, with a 10-year warranty. Can be easily cleaned with an alcohol solution or steam.



Resulting reduction in the use of hypoallergenic alcoholic solutions that are, de facto, costly, cause hands to dry out, and the body to absorb alcohol.



**C – ERGONOMICS**



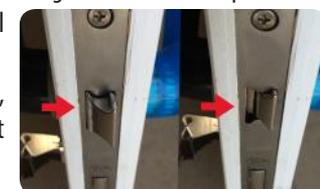
ULNA INITIAL can be adjusted to 9 different handle positions, across a range of 130°. The lowest positions are designed for children and wheelchair users, middle positions are for average users, and the highest positions are for tall persons, particularly at sports facilities.



A handle can be set to highest on one side of the door, and to lowest on the other side of the door.



The ULNA INITIAL “I” mechanism compresses the spring of the triangular latch of the lock making it easy to open the door by reducing the angle of rotation required. The long line of travel that used to be needed is no longer required, which greatly reduces effort for the user.



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The two preceding points result in fewer musculo-skeletal problems by reducing back-ache, kidney disorders, and illness when you realize that care staff open/close some 200 doors a day.

With ULNA solutions they can keep their hands free to carry a food tray, medical notes or medical device, without affecting their balance and without fumbling.



### D - CUSTOMIZATION : COLOUR CODE / BRAILLE EMBOSSING

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The ULNA System INITIAL and SENSIAL solutions come in 9 different colours :



to allow easy identification of different services, pathologies, floors, or rooms. Thanks to ULNA PASS, certain establishments can instantly replace the ULNA INITIAL handle of a room that has a patient diagnosed as contagious, to warn care staff to follow the appropriate precautionary protocols (yellow being reserved for highly contaminating waste requiring incineration).



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For people with sight problems, the option of customizable Braille embossing, up to 8 characters, is offered on request on all our ULNA handles. It is recommended on the outside of a door to indicate, for example, "WC Ladies" or the "room number", but is not necessary on the inside of the door as the people know where they are.



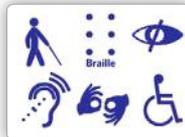
### E – INSTRUCTION SIGN / DIRECTIONS

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A self-adhesive sign the same colour as the handle is included in the packaging. It provides colour-coded, universally understandable, graphical instructions.



### F – OUR TARGET USERS



Some global disability statistics :  
 - in France, 18% of the population – nearly 12 million people – have a slight or severe disability (all disabilities combined), or are in a dependent situation.

- in Europe, this figure is 15%, or 75 million people with disabilities.

- globally, the UN estimates that 10% of the world's population, or 740 million people, have a disability or are in a dependent situation. Among those over the age of 75, more than 1 in 3 have one or more disabilities.

Given the ageing of the population, these figures are bound to increase.



### G – FIELDS OF APPLICATION



ULNA SYSTEM handles are the solution for the private sector as well as public. We can therefore provide with a descriptive tender for any request.

- hospitals, clinics, retirement homes, re-education centres, doctors' offices, dentists' offices...

- industries in general, and hi-tech R&D laboratories or cleanrooms,

- schools, daycare centres,

- agri-food industry, canneries, catering establishments,

- cafés, hotels, restaurants (hospitality industry)

- changing rooms and toilets at airports, train stations, service stations, motorway services, cinemas, swimming pools, sports halls... in short: any Public Access Building (PAB).



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### H – UNIVERSAL DESIGN : “ ULNA UNIVERSALIS”

22 Exclusive owner of its moulds and machinery, SAMA makes and sells ULNA SYSTEM handles in many countries, offering affordable services and ecologically and environmentally responsible solutions to a great many users far and wide. These user-friendly and intuitive handles have a smooth action and require very little force. They are in keeping with our “Universal Design” initiative, which is a line of products designed for :

- **everyone**, with or without a disability, whether child, adult or senior,



- **any type of door**, including glass doors, and do not require the lock or fittings to be altered in any way,



- **any environment**, or public or private activity whether professional, industrial, military... and even contemporary art galleries,



- **any country**.

### I - SUSTAINABLE DEVELOPMENT AND ECO-RESPONSIBILITY

23 Corporate Social Responsibility (CSR)  
 Product life cycle  
 Sorting and recycling of production waste  
 Consumable-free hand hygiene  
 Quality and quantity of materials analyzed for all products



24 ULNA has won numerous prizes :  
 - EURO PROPRE : The European Hygiene and Sanitation Show  
 - JANUS DE LA SANTE & DU DESIGN  
 - BATIR AUTREMENT : Innovation Prize  
 - CIC Bank : One of the 10 finalists from approximately 400 innovative companies selected for the “Innovation in a Changing World” competition



### J – WHY AND HOW TO CHOOSE ULNA HANDLES AND ACCESSORIES

25 ULNA SYSTEM offers an extensive list of advantages over even its biggest German rivals who cannot offer a similar design at the same price, or even more expensively offer merely a hollow tube of extruded stainless steel with a long range of travel that ends up with broken lock and handle limp after just a few months of use.



Then the rosace becomes distorted, due to the excessive force used to pull the handle, if it does not completely wrench it off the door. You not only need to replace the handle but also the lock and may even need to call the shopfitters back.



ULNA has 3 product lines :  
 (to match with their respective mechanism “I” or “S”)



- **ULNA INITIAL** polypropylene range, 2 settings :

\* 9 handle positions across a range of 130°

\* ultra-short line of travel, reducing physical effort as well as back and musculo-skeletal problems

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MECA « I »  
 Adaptation Kit

- **ULNA SENSIAL** polypropylene range, not adjustable :

\* same advantages as ULNA INITIAL, but without the adjustable settings

\* advantage: lower priced



MECA « S »  
 Adaptation Kit

- **ULNA SILVER** range (or ULNA GOLD, on request only) in aluminium, not adjustable :

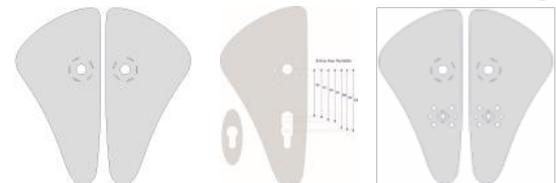
\* same advantages as ULNA INITIAL, but without the adjustable settings

\* not resistant to detergents and disinfectants unless protected by UlnaBact lacquer

\* sleek, contemporary, trendy design to suit any location beautifully



- **SELF ADHESIVE CLEANLINESS PLATES MADE OF STAINLESS-STEEL** with 7 different spacings depending on the country, mainly used in renovations to hide holes left by previous work or trim



### CONCLUSION

ULNA is truly the global answer to eradicating hand-transmitted contamination, reducing nosocomial infections, and offering comfort and accessibility to increasing numbers of elderly and people with disabilities. Don't wait for a great epidemic of H1N1, H5N1, SARS or Ebola, or even the annual pandemic of cold viruses and gastroenteritis. Don't act in hindsight when it's too late – replace your door handles now with an ULNA System. Opt for a comprehensive solution with 26 advantages that add value to your establishment, and respect your patients, customers and staff.