

**EWELLIX**

MAKERS IN MOTION

# Solutions for infant care equipment



# The heritage of innovation

Ewellix is a global innovator and manufacturer of linear motion and actuation solutions used in assembly automation, medical applications and mobile machinery. Formerly part of SKF Group, the Ewellix Group consists of 16 sales units and six factories. External net sales are approximately 250 EUR million and we employ around 1 250 people. Ewellix is headquartered in Gothenburg, Sweden and is owned by Triton.

## Technology leadership

Our journey began **over 50 years** ago as part of the SKF Group, a leading global technology provider, with the world's first precision ball and roller screw factories. Our history with SKF provided us with the **expertise to continuously develop new technologies** and use them to create cutting edge products that offer our customers a competitive advantage.

In 2019, we became independent from SKF and changed our name to Ewellix. **We are proud of our heritage.** This gives us a unique foundation on which to build an agile business with engineering excellence and innovation as our core strengths.

## Global presence and local support

With our **global presence**, we are uniquely positioned to deliver **standard components and custom-engineered solutions**, with full technical and applications support around the world. The long lasting relationships with our distributor partners allow us to support customers in a variety of different industries. At Ewellix, we don't just provide products; **we engineer integrated solutions** that help customers realise their ambitions.



1250 employees



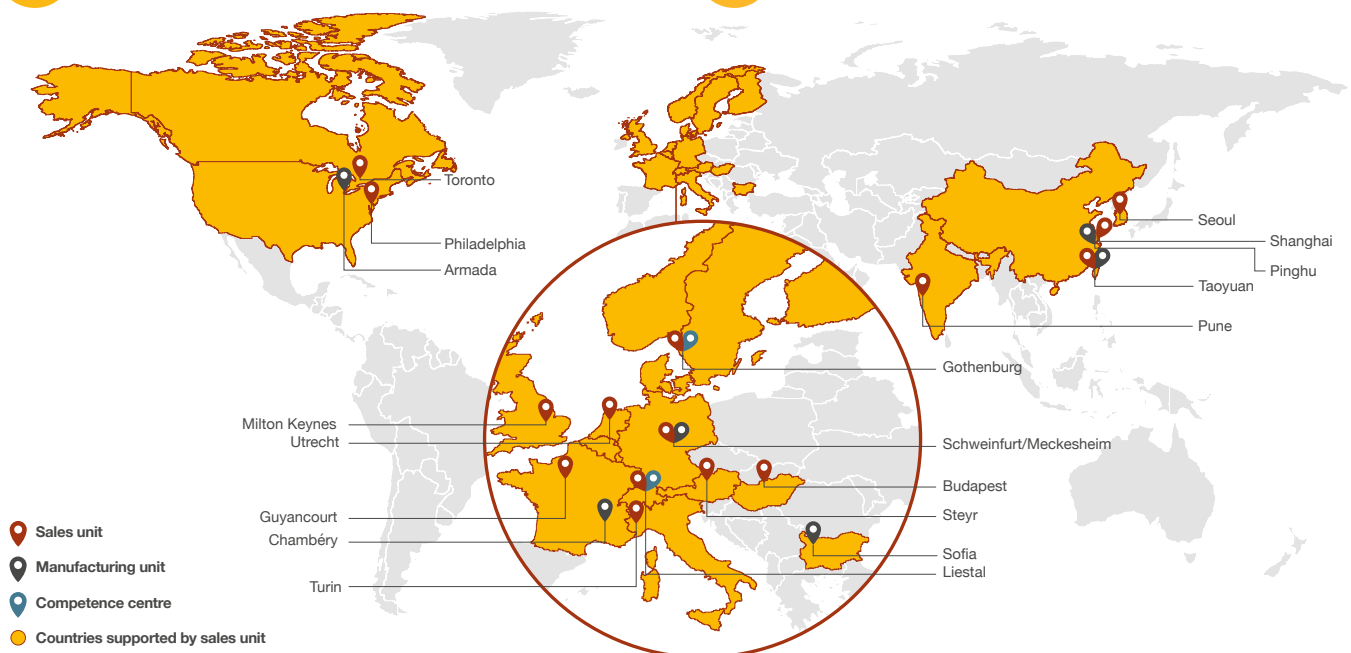
6 factories



16 sales units



2 competence centres



# Infant incubators

Today’s neonatal equipment manufacturers face a tough mix of performance and cost pressures. Demand is rising for incubators that can deliver nearly silent, vibration-free motion, greater accessibility for caregivers, and increased functionality.

Ewellix supports your product development with a complete platform offering, speeding up your time to market. Our lifting columns combining smooth, silent lifting, low retracted height and a wide degree of design flexibility.

The Ewellix lifting columns for incubator are a complete, IEC 60601-1 compliant, solution designed to help OEMs develop incubators optimized for performance and cost.



## Ewellix solutions

### Features

- Low retracted height and optimized stroke length
- Minimal noise level and virtually vibration-free
- Soft start/stop and smooth motion
- Flexible plug and play platform offer
- Smart selected accessories available
- Versatile power supply options
- Optional cable-trough capabilities
- IEC-60601-1 compliant

### Benefits

- High comfort and safety for baby
- No disturbing noise or vibration during operation
- Improved ergonomics and accessibility for caregiver and parents
- Easy to clean design to ensure a hygienic environment
- Greater design flexibility and standardized features
- Decrease time to market due to a tested and approved platform offer

### Lifting columns



THG



CPMB



TFG

### Control boxes



BCU

### Operating switches



STL/STF



STK



STE

# Infant radiant warmers

The Ewellix lifting column for infant radiant warmer give designers the ability to mix and match several performance features to tailor the product perfectly to the application needs providing high safety and comfort for baby and better ergonomics and accessibility for neonatal caregivers and parents.

For example, the series CPMB combines optimized stroke length and low retracted height, silent lifting, drop-in design flexibility and earthing continuity in a compact, two-section unit. A built-in universal power supply, cable through for mains with earth, switches, and variable tube and motor placement capabilities enable several column configurations.

With series CPMB columns, there is no need to compromise on aesthetics, noise and vibration reductions, or hygiene concerns.



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# All you need for your incubators or warmers lift

## Lifting column – series CPMB

### Outlet socket box



Electrical connection to column (mains power, ground, switch, RJ45)



Mechanical fastening to column inner or outer tube plate by 4 x M6 screws



Mounting plate with 4 holes to assemble incubator to column top



3 Outlet sockets for instrument or equipment (max 8 A)



2 Replaceable fuses 8 A



One connector for operating device and second connector RJ45 available



Operating device with 2-color LED for power and feedback status



# Products overview

## Lifting columns



|                  | THG10-BA       | CPMB                 | TFG                        |
|------------------|----------------|----------------------|----------------------------|
| Rated push load  | 2000 N         | 2000 N               | 2500 N                     |
| Speed            | 5 to 7 mm/s    | 11 to 15 mm/s        | 15 to 19 mm/s              |
| Power supply     | 24 VDC         | 24 VDC / 100–240 VAC | 24 VDC / 120 VAC / 230 VAC |
| Retracted length | Stroke + 270mm | Stroke + 160 mm      | Stroke + 130 mm            |
| Bending load     | Up to 250 Nm   | Up to 250 Nm         | Up to 500 Nm               |
| Stiffness        | ++             | ++                   | +++                        |

## Control boxes



|                            | BCU    |
|----------------------------|--------|
| Motor ports                | 3      |
| Output volatge (nominal)   | 24 VDC |
| Total output current (max) | 7A     |
| Operating device ports     | 1      |
| Single fault safety        | ✓      |
| Soft Start/Stop            | ✓      |

## Operating switches



|                         | STL           | STJ            | STK  | STE                               |
|-------------------------|---------------|----------------|--|-----------------------------------|
| Max. operating channels | 1             | 5              | 1  | 5                                 |
| Operating power         | 5 VDC / 20 mA | 12 VDC / 50 mA | 5 VDC / 20 mA                              | 12 VDC / 50 mA                    |
| Indicator               | no            | no             | 2 colors LED for power and feedback status | single color LED for power status |
| Plug                    | RJ45          | HD15           | RJ45                                       | HD15                              |

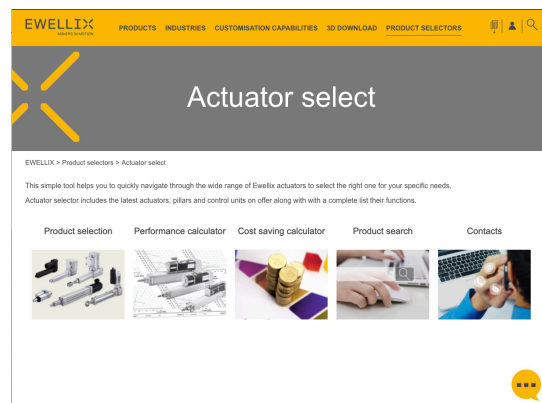
# Supporting tool

## Digital

Ewellix has developed a portfolio of tool to support customers in easy selection and calculation the right Ewellix product for their application.

### Actuators

- Product selection
- Performance calculator
- Cost saving calculator



## Publications

Supporting documents are available for downloading on ewellix.com in each product page under technical data section:

- operating manual
- mounting instruction

**Actuator range**



**Lifting column – THG**



**Control units**



**Lifting column  
CPMA/CPMB**



**Operating switches**



**Lifting column – TFG**





## **ewellix.com**

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