

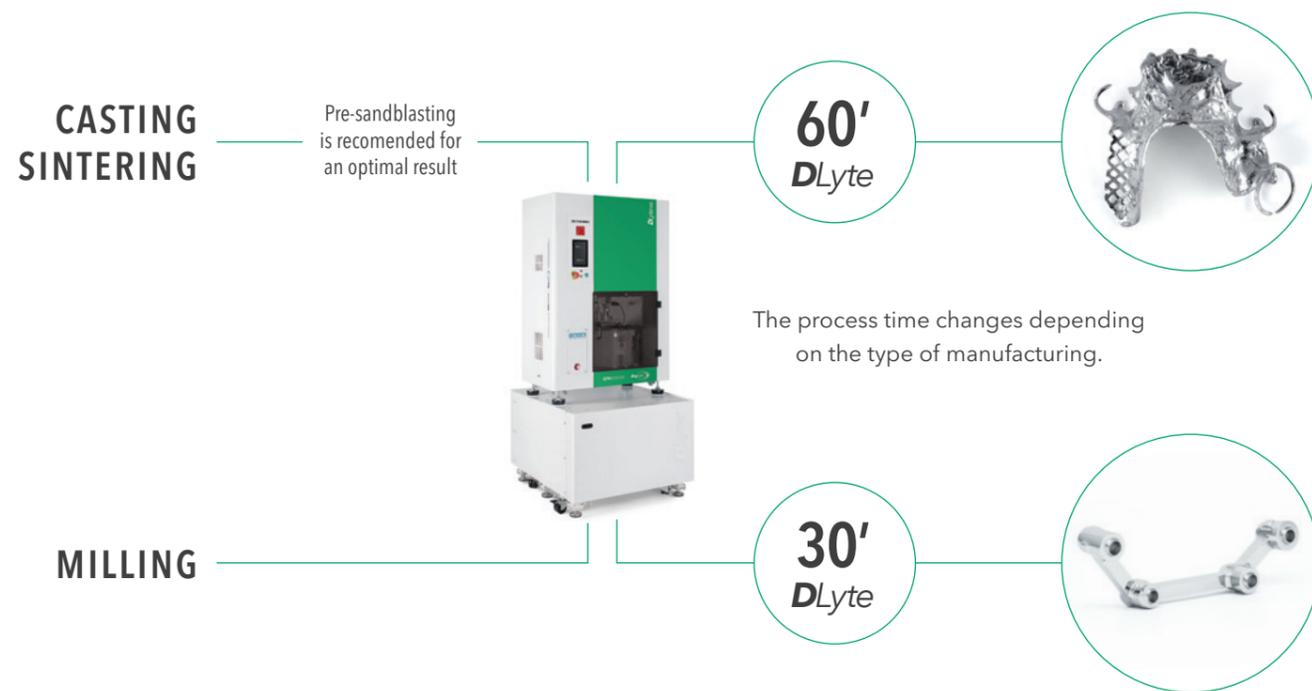


The First **Dry** Electropolishing System



DENTAL

Automatic one step process



Big time savings

DLyte is an automatic process which reduces the complexity of the current multi-step processes. The entire process is completed using one machine, reducing the waiting and preparation time.

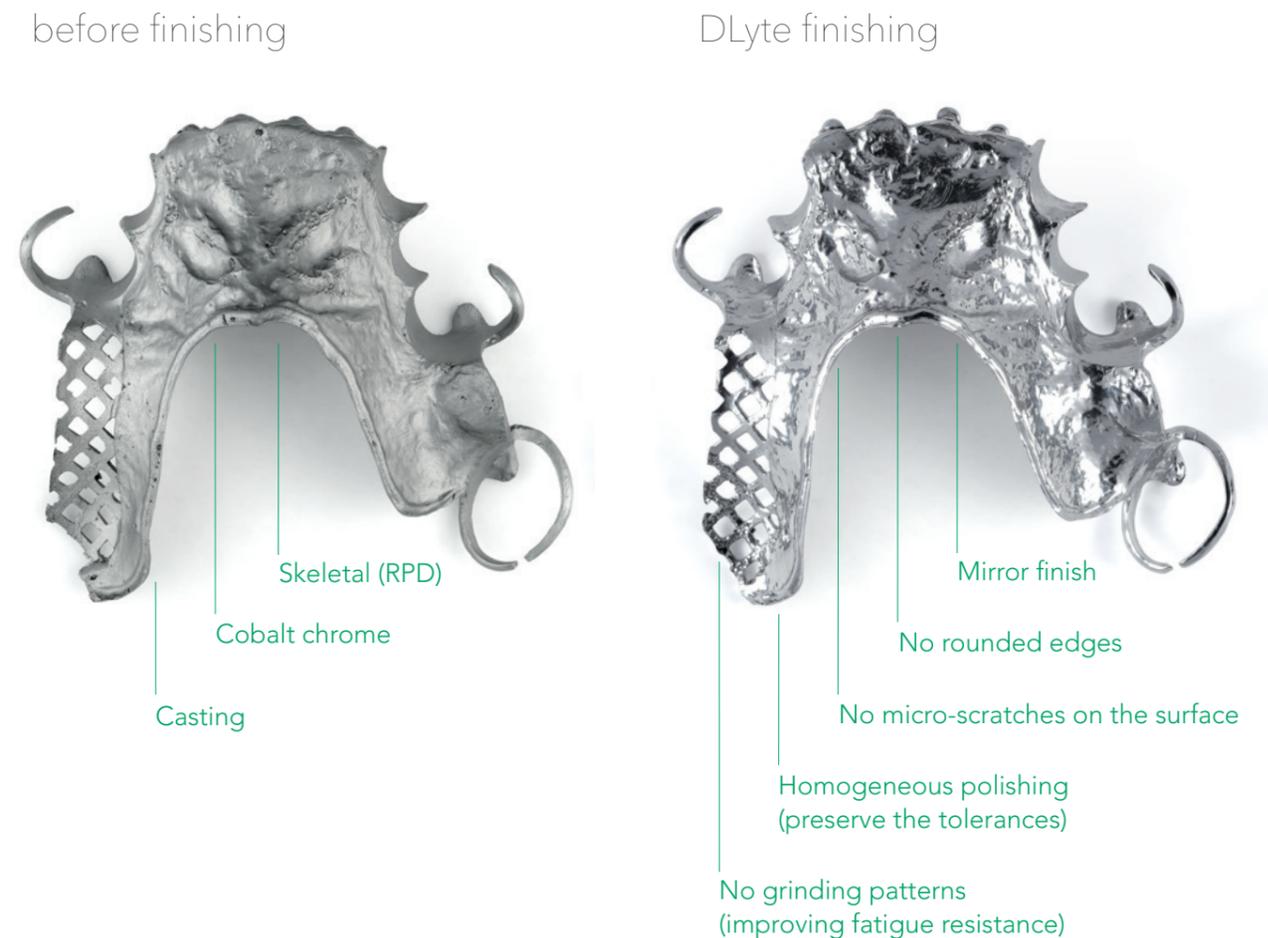
Lower costs

The treatment does not require manual processing, reducing the labor costs and eliminating reworks and defective parts.

The cost of using the *DLyte* system is only 27% of the current hand polishing procedure cost (2,22 € / piece with *DLyte 100D* compared to 8,00 € / piece manual hand polishing), assuming 30 minutes average manual work for each piece.

Main benefits

1. FULLY AUTOMATIC POLISHING TO A MIRROR FINISH IN ONE STEP
2. CONTROLLED COSTS AND PREDICTABLE LEAD TIMES
3. RESPECT OF TOLERANCES AND PRESERVATION OF INITIAL SHAPE, EVEN CUTTING EDGES
4. HOMOGENEOUS POLISHING ACROSS THE SURFACE WITHOUT GRINDING PATTERNS
5. THE ABILITY TO PROCESS COMPLEX GEOMETRIES WITHOUT PROGRAMMING
6. ENVIRONMENTALLY FRIENDLY



Unlike traditional polishing, *DryLyte* technology differentiates itself by its ability to preserve the initial shapes, even the cutting edges, and penetrate into all dead zones. It creates a homogeneous polishing across the surface, without grinding patterns and has the ability to process complex geometries without leaving micro-scratches on the surface. *DryLyte* technology respects the tolerances and delivers brilliant mirror-like finishes, with one step, and with predictable costs.

Send us your samples and see the results for yourself

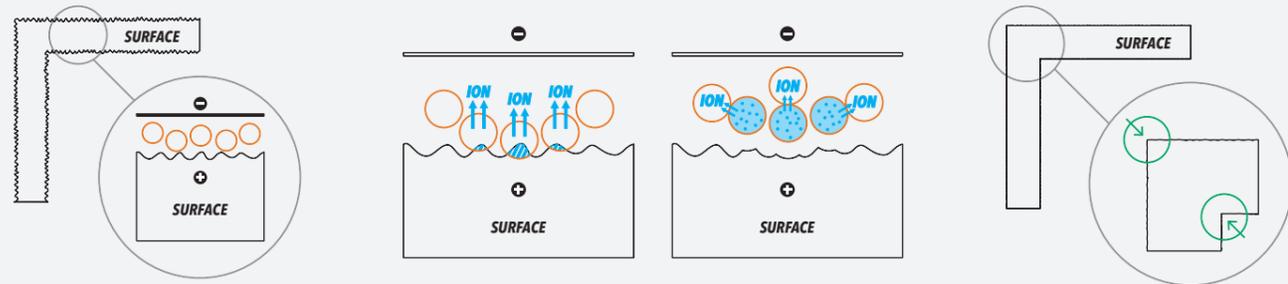
GPAINNOVA

DryLyte technology

DLyte system works with **D**ryLyte technology, a new patented technology for grinding and polishing metals by ion transport using free solid bodies. Revolutionary dry electropolishing that does not use any liquid as electrolyte.



METAL **DRYLYTE**® ELECTROPOLISHING



The process removes material only from the peaks of roughness

The process does not round edges and can penetrate in all dead zones

The polishing action reaches every corner of the piece, so it can process inner cavities which can not be accessed mechanically.

DLyte allows polishing of casting, sintered and milling parts. **D**Lyte offers a high quality polish for cobalt chrome and titanium.

Manual vs **D**Lyte system

Current Mechanical-Manual Polishing + Classical Electropolishing



DLyte Dental system



Current Mechanical-Manual Polishing + Classical Electropolishing



DLyte Dental system



DLyte dental series



DLyte **DENTAL** | NOW FOR TITANIUM
For Dental

DLyte allows polishing of casting, sintered and milling parts. DLyte offers a high quality polish for cobalt chrome and titanium for the dental industry. Available for all types of dental **skeletals, spacers, implants, and orthodontic brackets.**

One of the most important innovations of the DLyte system is the ability to polish **titanium parts.**

Controlled costs and predictable lead times*

Estimated polishing process times	Skeletals / RPD	Crowns	Bridges	Bars
SINTERING	70' - 80'	30' - 35'	30' - 35'	60' - 70'
CASTING	50' - 60'	30' - 35'	30' - 35'	-
MILLING	-	25' - 30'	25' - 30'	30' - 35'

*Average time considering different conditions

Solutions for each material

DLyte is the first dry electropolishing system for grinding and polishing metals by ion transport using free solid bodies. Revolutionary dry electropolishing that does not use any liquid as electrolyte. DLyte works with different electrolytes for each material and designed for different specifications.

Dental Electrolytes	Material
CoCr Group CoCr 01	CoCr alloys 
CoCr Group CoCr 02 Only for mirror finishings and complex geometries.	CoCr alloys 
Ti Group Ti 01	Titanium alloys 



For cobalt chrome

Milling / Cobalt chrome



before finishing

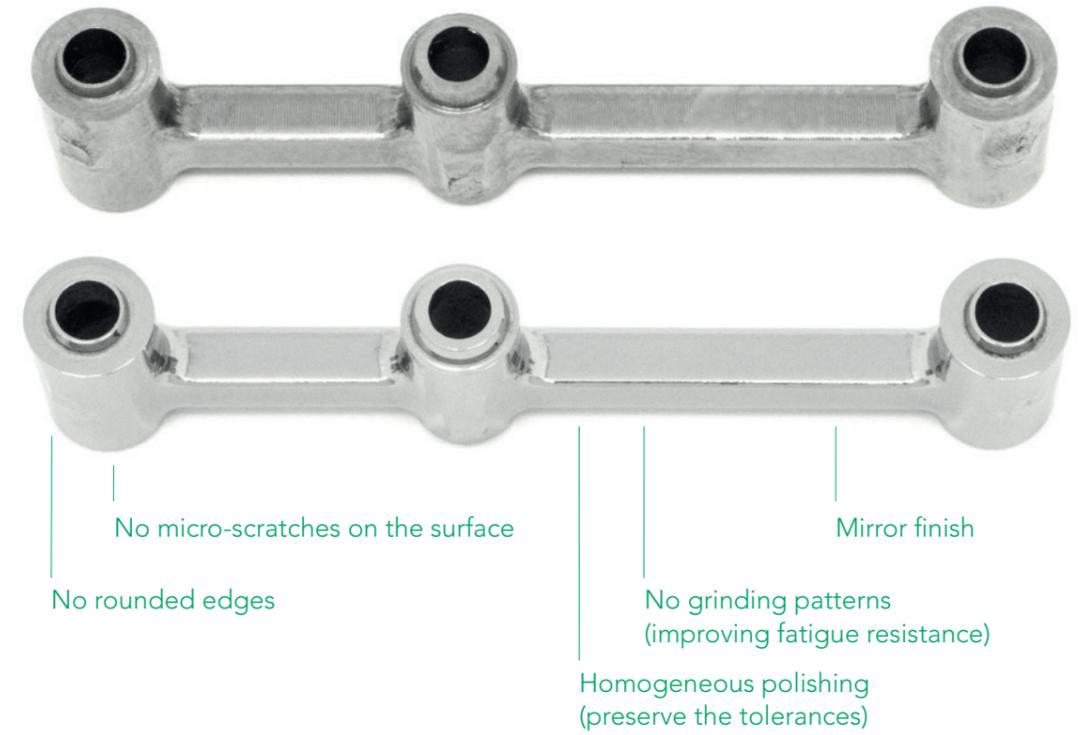
DLyte finishing



For titanium

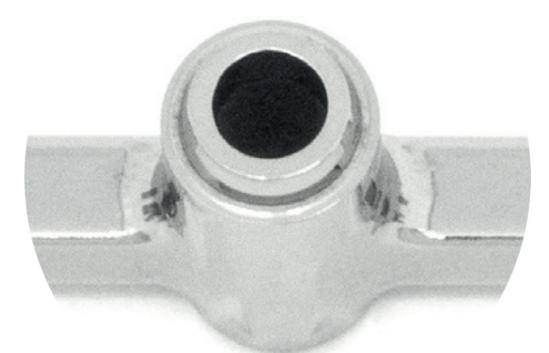
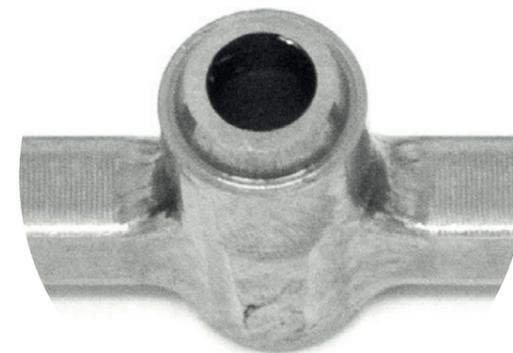
DLyte titanium series (**Ti** and **+Ti**) is the newest range of products able to grind and polish titanium alloys for the dental industry **with the same benefits as the cobalt chrome series.** This new titanium application allows **deburring and homogeneous polishing without changing the properties** of the material, while **maintaining the geometry of the piece.** Despite being an electropolishing method, the process does not generate oxidation and passivation of the piece.

Milling / Titanium



before finishing

DLyte finishing



DLyte 1D[®] series



ERC CE

DLyte 1D[®] series models

For Cobalt Chrome
DLyte 1D[®]

For Titanium
DLyte 1DTi[®]

For Cobalt Chrome and Titanium
DLyte 1D+Ti[®]

DLyte 1D[®] series are new patented machines for grinding and polishing cobalt chrome and titanium alloys for the dental industry. Available for all types of dental skeletal, spacers, crowns, bars, anatomic structures, implants and orthodontics brackets. Capacity of **1 RPD, 3 crowns or cemented structures, 4 bars or implant bridges and more than 10 abatments** for each working cycle with an average of 50-60 minutes time cycle.

Machine patented and manufactured by **GPA INNOVA**



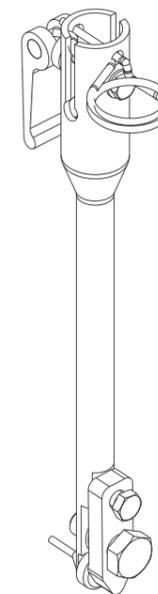
Holder series 1

DLyte system works by gripping parts on a holder that is inserted into the machine. The holders have been designed specifically for each dental piece, according to its geometry and optimizing the optimal working space for a perfect polishing.

For 1 RPD or structure



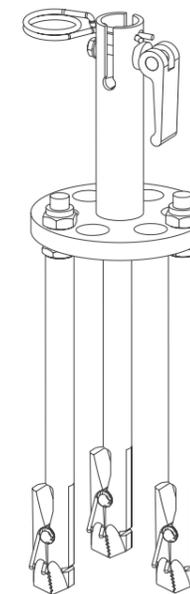
DLyte FINGER1



Up to 3 crowns or cemented structures



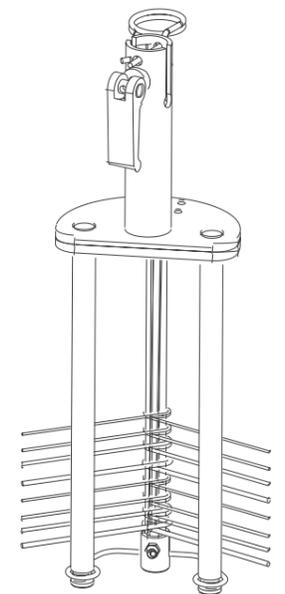
DLyte CROWN1



Up to 4 bars or implant bridges and more than 10 abatments



DLyte SPRING1



Cobalt Chrome RPD part cost
5,00 €/piece*

* 100 Hours time work. Up to 100 Cobalt Chrome RPD parts based on maximum DLyte 1D load. (1 RPD part per cycle).

Titanium RPD part cost
7,50 €/piece*

* 100 Hours time work. Up to 100 Titanium RPD parts based on maximum DLyte 1D load. (1 RPD part per cycle).

DLyte 10D[®] series



DLyte 10D[®] series models

- For Cobalt Chrome
DLyte 10D[®]
- For Titanium
DLyte 10DTi[®]
- For Cobalt Chrome and Titanium
DLyte 10D+Ti[®]



DLyte 10D[®] series are new patented machines for grinding and polishing cobalt chrome and titanium alloys for the dental industry. Available for all types of dental skeletal, spacers, crowns, bars, anatomic structures, implants and orthodontics brackets. Capacity of **3 RPD, 6 crowns or cemented structures, 8 bars or implant bridges and more than 20 abatments** for each working cycle with an average of 50-60 minutes time cycle.

Machine patented and manufactured by **GPAINNOVA**



The use of Patented DryLyte Technology is a concession approved by DryLyte Company

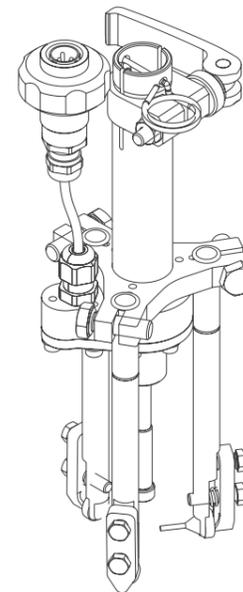
Holder series 10

DLyte system works by gripping parts on a holder that is inserted into the machine. The holders have been designed specifically for each dental piece, according to its geometry and optimizing the optimal working space for a perfect polishing.

Up to 3 RPD or structures



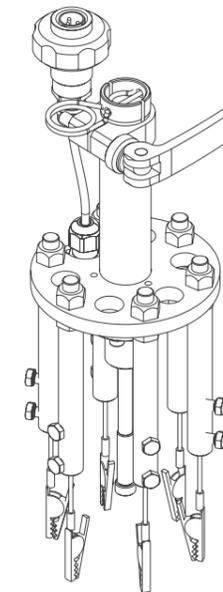
DLyte FINGER10



Up to 6 crowns or cemented structures



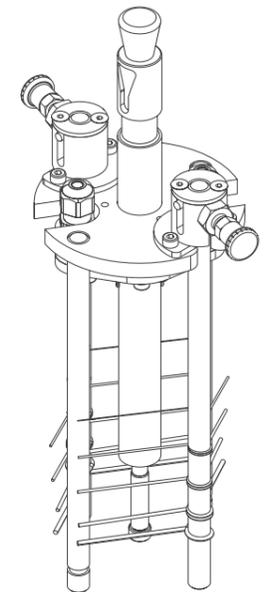
DLyte CROWN10



Up to 8 bars or implant bridges and more than 20 abatments



DLyte SPRING10



Cobalt Chrome RPD part cost
3,33 €/piece*

* 100 Hours time work. Up to 300 Cobalt Chrome RPD parts based on maximum DLyte 10D load. (3 RPD part per cycle).

Titanium RPD part cost
5,00 €/piece*

* 100 Hours time work. Up to 300 Titanium RPD parts based on maximum DLyte 10D load. (3 RPD part per cycle).

DLyte 100D[®] series

Holder series 100

DLyte system works by gripping parts on a holder that is inserted into the machine. The holders have been designed specifically for each dental piece, according to its geometry and optimizing the optimal working space for a perfect polishing.



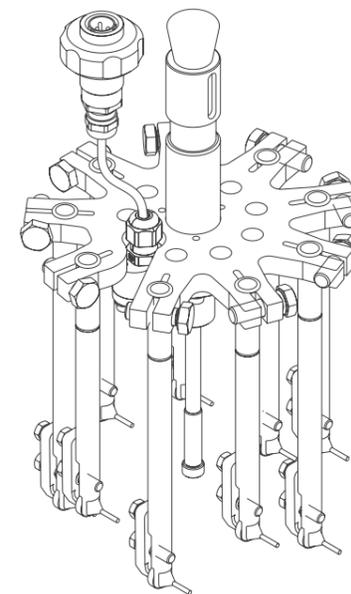
DLyte 100D[®] series models

- For Cobalt Chrome
DLyte 100D[®]
- For Titanium
DLyte 100DTi[®]
- For Cobalt Chrome and Titanium
DLyte 100D+Ti[®]

Up to 9 RPD or structures



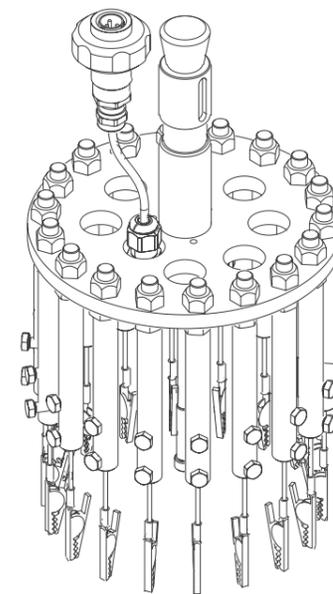
DLyte FINGER100



Up to 16 crowns or cemented structures



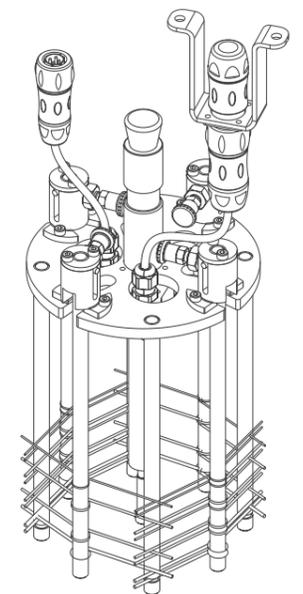
DLyte CROWN100



Up to 16 bars or implant bridges and more than 50 abutments



DLyte SPRING100



DLyte100D[®] series are new patented machines for grinding and polishing cobalt chrome and titanium alloys for the dental industry. Available for all types of dental skeletal, spacers, crowns, bars, anatomic structures, implants and orthodontics brackets. Capacity of **9 RPD, 16 crowns or cemented structures, 16 bars or implant bridges and more than 50 abutments** for each working cycle with an average of 50-60 minutes time cycle.

Cobalt Chrome RPD part cost
2,22 €/piece*

* 100 Hours time work. Up to 900 Cobalt Chrome RPD parts based on maximum DLyte 100D load. (9 RPD part per cycle).

Titanium RPD part cost
3,33 €/piece*

* 100 Hours time work. Up to 900 Titanium RPD parts based on maximum DLyte 100D load. (9 RPD part per cycle).

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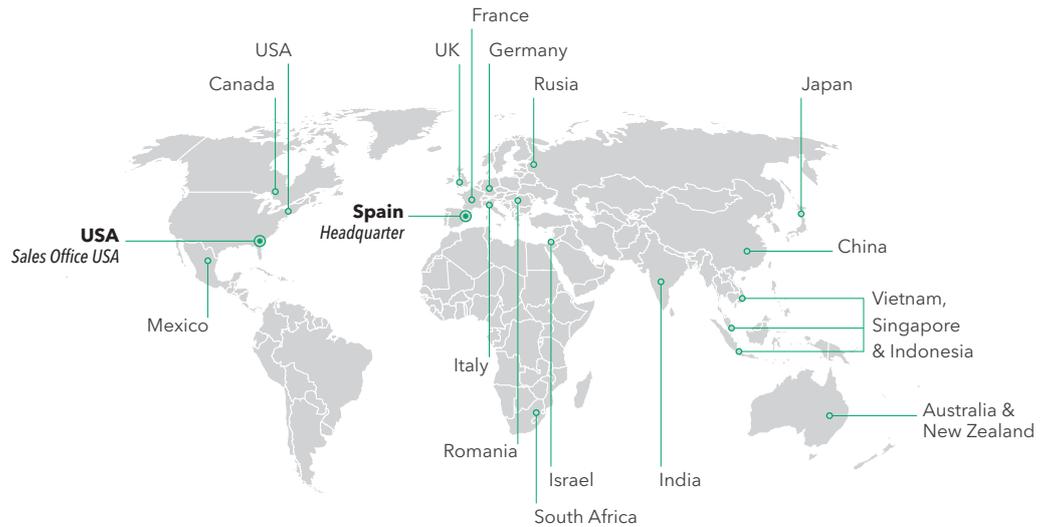
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