Gema
Application Labs
Gema’s worldwide Application Labs

As an Application Expert Gema offers it’s worldwide customers 4 professional application labs, where customer-specific coating trials are carried out:

- Customer Lab St.Gallen / Switzerland
- Customer Lab Indianapolis / USA
- Customer Lab Shanghai / China
- Customer Lab Yokohama / Japan

Equipped with the most advanced Gema coating systems and technologies for manual and automatic application, the experienced Gema lab specialists help customers to find the best powder line configuration for their specific requirements and parts.

In the Gema powder coating competence centers customers can monitor and evaluate the individual coating application configuration for each specific product.

Customer oriented solutions make Gema the worldwide leader in the powder coating branch.
Customer Benefits

The Gema Application labs do not only execute coating trials for existing and potential customers but offers in addition product trainings and coating seminars.

Benefits:

- State-of-the-art Gema coating systems and equipment
  - Manual Coating systems
  - Automatic coating systems
  - Enamel coating systems
- Possibility to simulate all coating conditions and parameters
- Experienced and well-trained lab specialist for carrying out individual trials and onsite support
- Development of customer-specific and tailor-made solutions
Application Lab St.Gallen / Switzerland

Powder Coating Competence and Testing Center for Europe

St.Gallen’s state-of-the-art 800-square-meter facility is capable to run three independent customer tests simultaneously:

• Magic System Quick Color Change booths:
  • MagicCylinder EquiFlow Quick Color Change booth
  • MagicCompact EquiFlow Quick Color Change booth
• MRS Enamel booth
• ClassicLine Manual booth
• OptiFlex Manual units
• Complete line of OptiFlex automatic and manual equipment
• Multiple axis gun movers
• State-of-the-art controls and control units
• Powder Management Centers with Injector and OptiSpray AP01 pump technology
• Powder recovery systems
• Furnace for curing parts (organic powder and porcelain enamel powder)
• Variable-speed overhead conveyors
Application Lab Indianapolis / USA

Powder Coating Competence and Testing Center for North America

- State-of-the-art 900 square-meter facility in Indianapolis, Indiana
- Dedicated to demonstrate the performance of Gema’s application and color change technology
- Two fully automated booths and one manual booth
  - Magic Series quick color change booths
    - MagicCylinder EquiFlow
    - MagicCompact EquiFlow
  - Smart Series manual booth
- Latest application and pump technology
  - AP01 application pumps
  - OptiFlex Series gun and control
  - OptiCenter powder management
  - Multiple axis gun movers
- Variable-speed power & free overhead conveyors
- Convection and electric infrared curing as well as a furnace used for high temperature such as porcelain enamel powder
Application Lab Shanghai / China

Powder Coating Competence and Testing Center for China

Shanghai’s state-of-the-art 150-square-meter facility is capable of demonstrating and performing manual application tests for customer trials:

- Showroom with MagicCompact EquiFlow Quick Color Change booth
- Complete line of automatic and manual guns
- Multiple axis gun movers
- State-of-the-art controls and control units
- Powder Management Centers
- Powder recovery systems
- ClassicLine Manual booth & Manual units
- Furnace for curing parts
- Variable-speed overhead conveyors
Application Lab Yokohama / Japan

Powder Coating Competence and Testing Center for Japan

Yokohama’s state-of-the-art 100-square-meter facility is capable of customer trials and demonstrate the performance of Gema’s application and color change technology:

• MagicCompact EquiFlow Quick Color Change booth
• OptiFlex Manual units
• Complete line of OptiFlex automatic and manual equipment
• State-of-the-art controls and control units
• Latest application and pump technology
  • OptiSpray AP01 application pumps
  • OptiCenter powder management
  • Multiple axis gun movers
• Robot Coating System
• Powder recovery systems
• Furnace for curing parts
• Variable-speed overhead conveyors
Thank you for your attention