

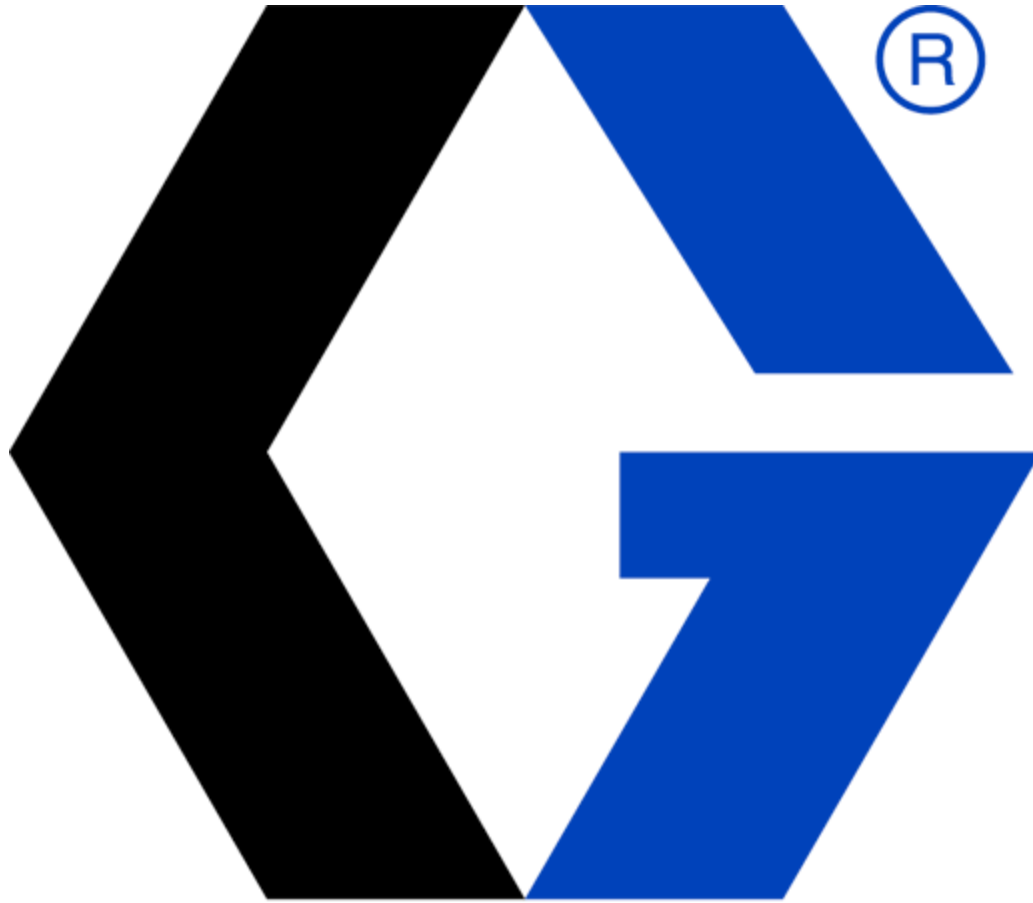
INNOVATION IN FLUID HANDLING



MANUFACTURING
EXCELLENCE

KALIVIS 20.06.2016



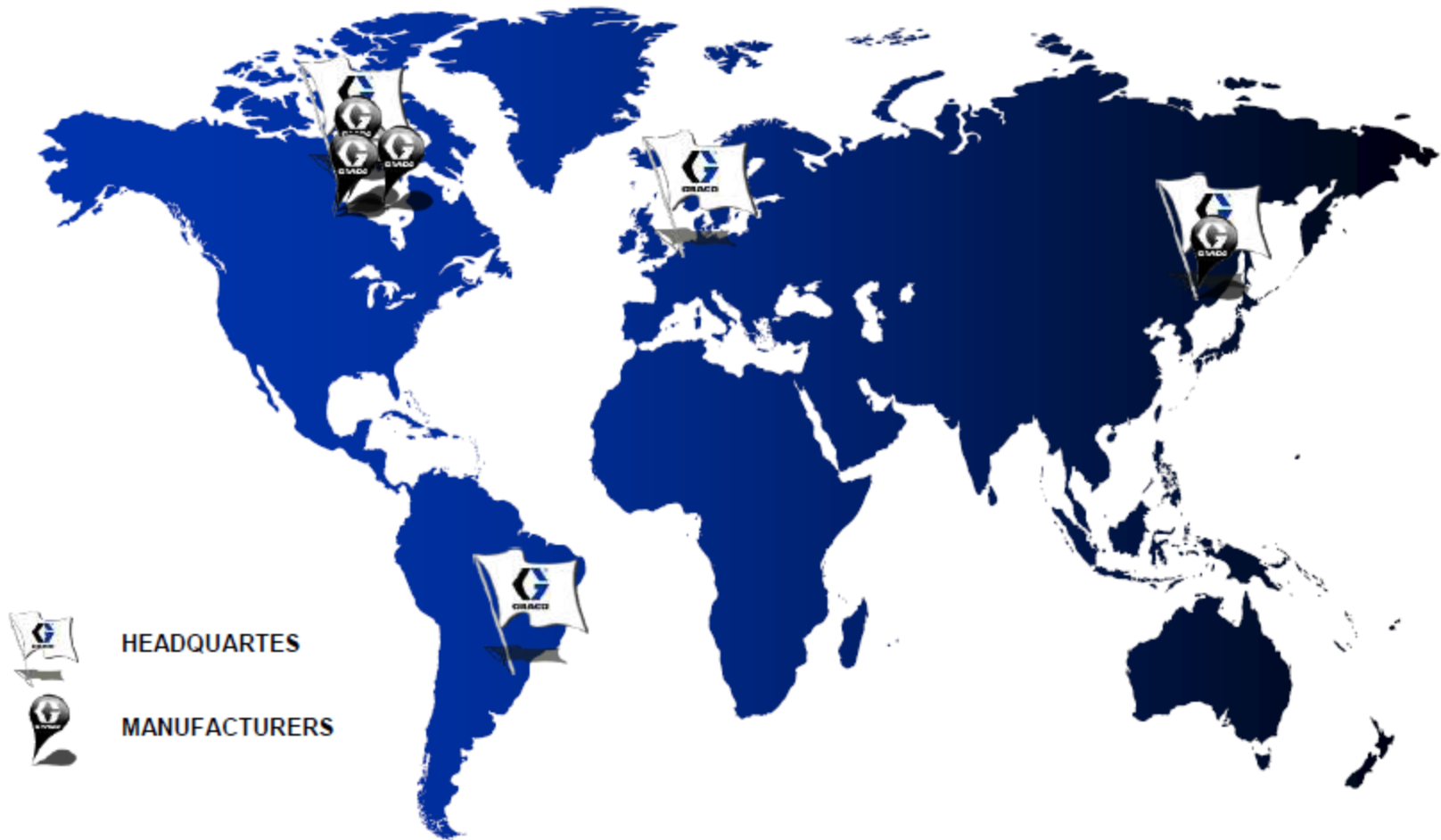


GRACO

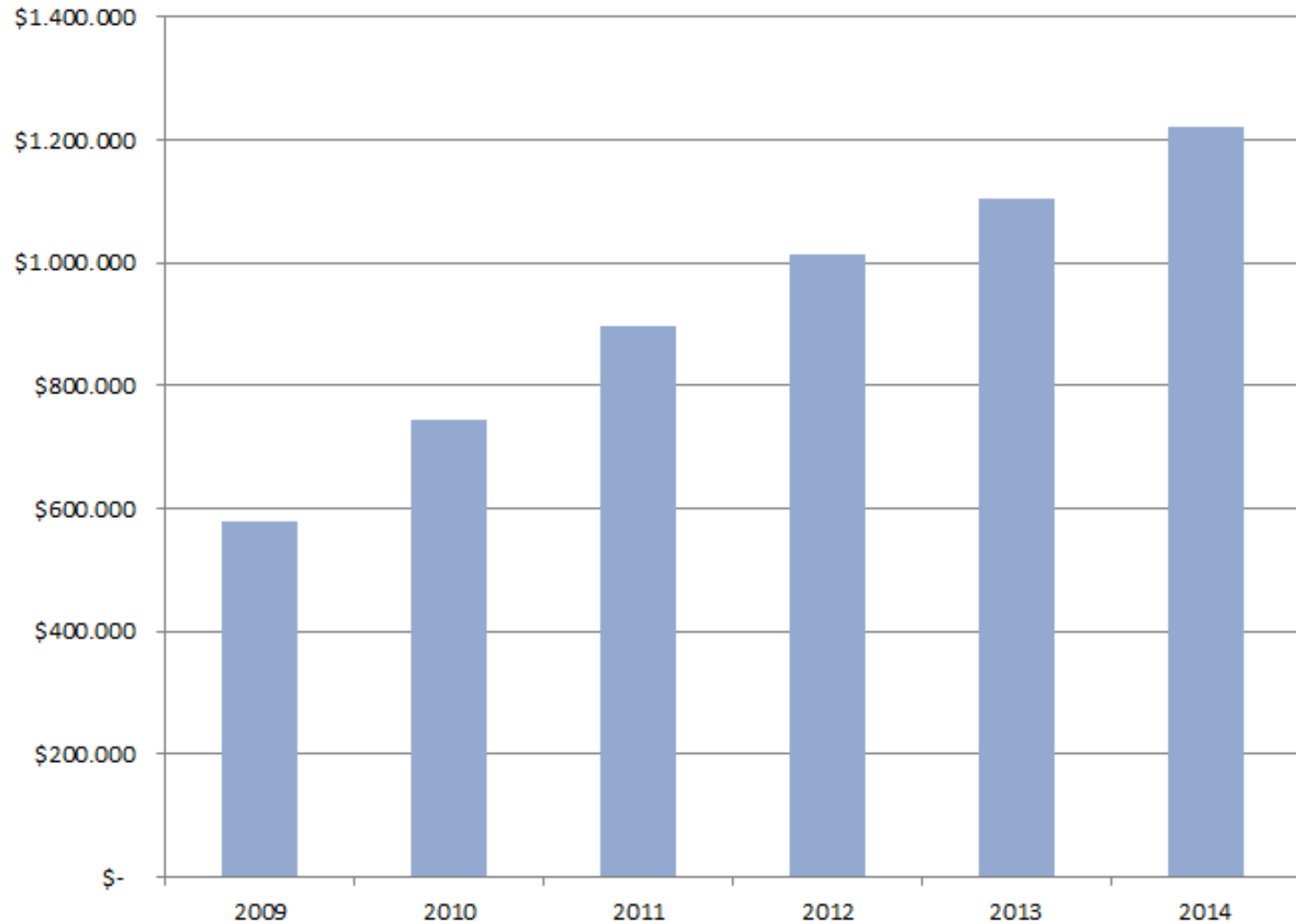
Graco...

- ▶ Graco designs and manufactures equipment to move, measure, mix, control, dispense, and spray fluid and powder materials.
- ▶ Founded in 1926
- ▶ Headquarter in Minneapolis, Minnesota, USA
- ▶ Quoted at the NYSE (GGG)
- ▶ 3.000 professionals (69% in USA)
- ▶ Global presence with distribution centers in USA, Belgium, Japan, Korea, China and Australia.
- ▶ Engineering and manufacturing based in USA.
- ▶ Almost 2.000 patents
- ▶ 30.000 worldwide selling points via a network of specialized independent distributors.
- ▶ 8.000 specialized distributors in Europe, 1.100 selling industrial products.

Global Partner



Sales Evolution



Acquisitions

BÖLLHOFF

1999

ASM[™]

2001

SHARPEE
THE SPRAY GUN PEOPLE[®]

2003

Liquid Control
The Knowledge Leader in Dispensing Equipment

GUSMER

PBL Industries, Inc.

2005

LUBRIQUIP[®]
Centralized Lubrication Systems

2006

GlasCraft
DISPENSING EXCELLENCE

LUBESCI Lubrication Valve Manufacturing

2008

AIRLESSCO

EccentricPumps
A New Revolution in Pump Technology

Gema

FLUID Automation, Inc.
Leaders of Silicone Dispensing Technologies Since 1974

2011

2012

TW

2012

EQ EcoQuip[®]
VAPOR ABRASIVE[™] BLAST EQUIPMENT

2013

QED
Environmental Systems

2014

GRACO[®]

Business Divisions

- **CED - Contractor Equipment Division:**

Solutions to apply paint to walls and marking on roads.

- **LED - Lubrication Equipment Division:**

Solutions for use in vehicle servicing and for the automatic lubrication of industrial and commercial equipment, compressors, turbines.

- **IPD - Industrial Products Division:**

FINISHING – Solutions to apply fluid and powder paints and other coatings to products such as motor vehicles, appliances, furniture and other industrial and consumer products.

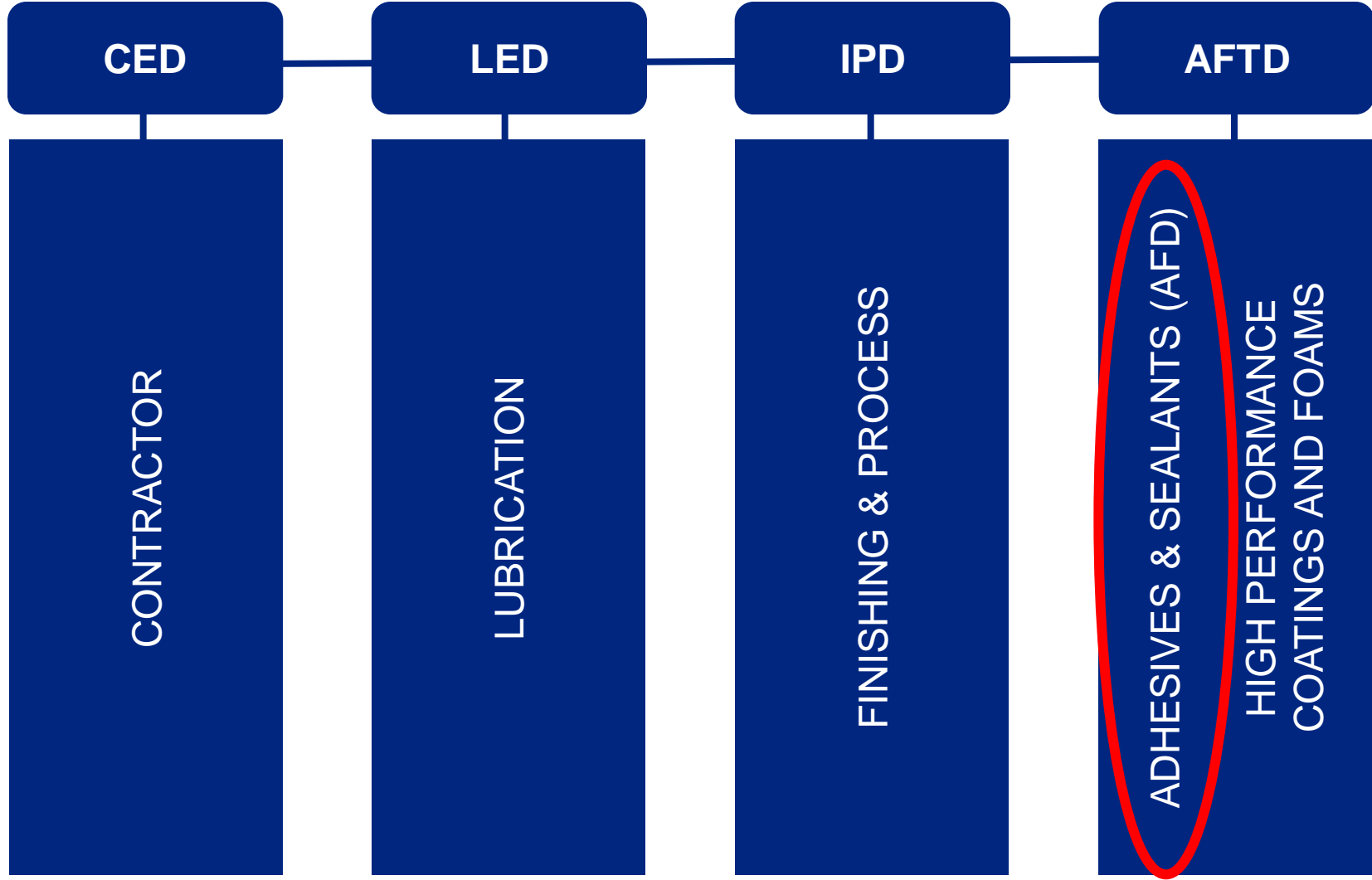
PROCESS – Equipments to move move chemicals, water, waste water, petroleum, food and other fluids.

- **AFTD - Applied Fluid Technologies Division:**

HPCF – High performance coating and foams: Includes solutions to apply polyurethane foams, polyurea and vapor-abrasive blasting equipments,

AFD – Adevanced Fluid Dispense to apply adhesive, sealants and composites materials.

Business Divisions



AFD Focus Markets



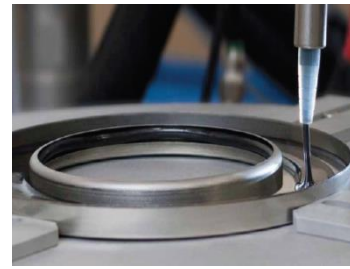
Automotive OEM



Packaging



Glass Industry



Filtration



White Goods



Composites



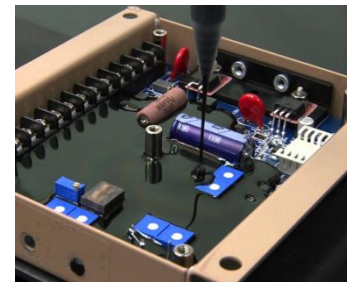
Transportation



Automotive OES



Energy



Electronics

AFD product range

DOSING

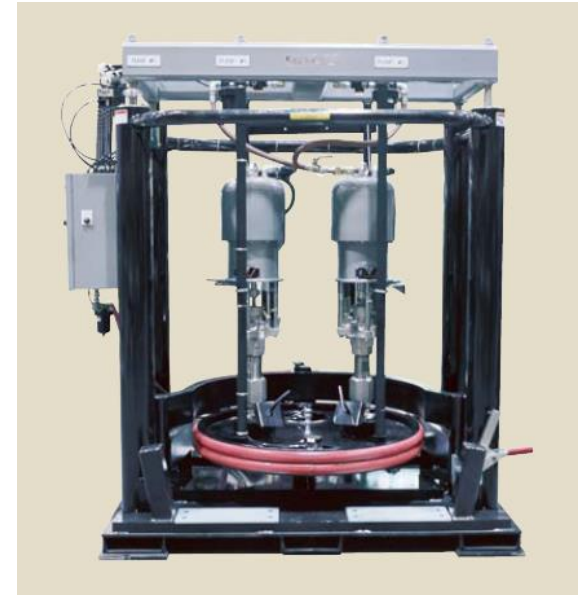


1K



2K





Supply Systems

Wide range of equipments for any kind of material
and packaging



WARM MELT

Supply system to apply materials
up to 70°C

THERM-O-FLOW

Supply system to apply materials
up to 204° C





INVISIPAC

Innovative dispensing system to apply hot melts in packaging market

PCF - Precision Continuous Flow

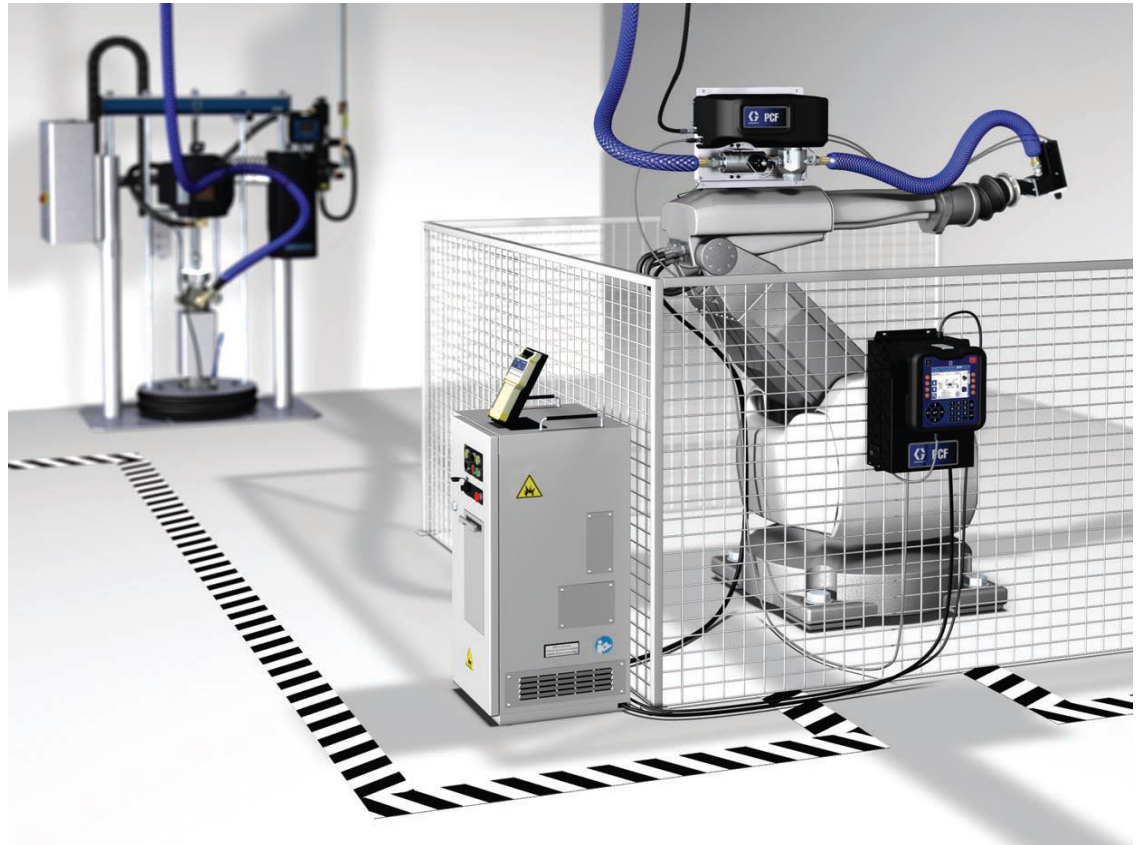
Metering system to measure and control 1K materials in automated applications



display control module



fluid panel



Typical Configuration

FRP

Low emission internal/external mix gel coat and chop proportioners



Gel coat systems



Chop



RS GUN



EXACTABLEND

Dispensing system with variable ratio to apply
2K materials in manual applications

PR70

Micro dispensing system for 2K
materials

Shots from 0,5 cc to 70 cc





PD44

Micro dispensing system for 2K materials
Shots and continuous beads from 0,005 cc to 5 cc

HFR - Hydraulic Fixed Ratio

Precise metering system for any 2K materials in automated or manual application





VRM - Variable Resin Machine

Variable ratio metering system for
resin infusion applications
Max flow rate :30Kg/min
Mix ratio: from 1:1 to 5:1



VPM - Variable Paste Machine
Variable ratio metering system for high
volumes paste applications