

Phillips-Medisize is a leading global outsource provider of design, development and manufacturing services to the medical (medical device, diagnostics, and drug delivery products) and commercial (automotive, consumer and defense) markets. By partnering with its customers, Phillips-Medisize design and development services can accelerate speed to market of innovative products. We then work with our customers to deploy advanced automated assembly and quality control technologies, which reduce manufacturing cost while improving quality. The company's core advantage is the knowledge of its people to integrate design, molding, and automation to drive low cost and high quality manufacturing solutions.

## Corporation Overview

- Revenues of nearing \$600 million in 2014
- Over 3,400 people world-wide in 14 locations, throughout the United States, Europe, Mexico and China
- 470 total presses, ranging in tonnage from 7 to 935
- Over 1.7 million square feet of manufacturing space
- All manufacturing facilities operate under one or more of the following: ISO 9001:2008, ISO 13485, TS 16949, ISO 14001, and FDA standards

## Services Provided

- Design Research
- Human Factors Engineering
- Product development
- Industrial design, mechanical design, and design refinement
- Computer aided design software platforms include: Pro/ENGINEER®, Unigraphics®, and SolidWorks®
- Appearance and functional models
- Testing includes: test engineering, product characterization and design verification testing (DVT)
- Computer aided engineering (CAE): Finite Element Analysis (FEA), Mold-flow simulation, and tolerance analysis
- Mechanical engineering
- Engineering/Clinical builds
- Design control
- Design History file (DHF) management
- Mechanism development
- Rapid prototyping
- Tooling includes: prototype, market-entry, production, and high speed tooling
- Custom automation systems for molding, assembly, and finishing
- Supply chain management
- Program management
- Contract manufacturing
- Pilot facility supporting clinical builds
- Medical cleanroom molding
- Medical device assembly
- FDA registered facilities for medical device assembly
- Sterilization management
- Drug handling and packaging
- Combination medical devices and drug products
- High volume molding
- Low volume molding
- Metal injection molding
- Magnesium injection molding
- Small parts molding
- Multi-shot molding
- Micro molding
- Multi-shot liquid silicone rubber
- Gas assist
- Lenses
- Phillips' Vuecoat® process
- In-mold decorating
- Molded interconnect devices
- Complete secondary finishing

## Global Solutions

With manufacturing facilities throughout the world, Phillips-Medisize is able to provide our customers design and manufacturing capabilities in each region around the globe. The locations of our facilities are designed to meet our customers' geographical requirements, while providing development and manufacturing expertise to support the OEM's market segment and product type. World-wide facilities allow Phillips-Medisize to:

- Support customers' needs for shortened supply chains
- Provide global standards, local engineering services and flexibility of manufacturing locations
- Offer a platform of low risk supply chain, good availability of materials and a pool of talented people to manufacture the products

## Facility Information

	ISO 9001:2008	ISO 14001	ISO 13485	TS16949:2009	Cage Code
<b>Design Development Centers</b>					
Hudson, WI	X		X (with design)		4V3M1
Mountain View, CA	X		X (with design)		
<b>Manufacturing Facilities - United States</b>					
Eau Claire, WI Multi-Shot	X	X	X	X	66YF2
Phillips, WI	X	X	X	X	4XY13 and 4SLY8
Menomonee, WI Metal Injection Molding	X	X		X	5TMJ5
Eau Claire, WI Magnesium Injection Molding	X	X		X	4S6K6
Medford, WI	X	X		X	
<b>Manufacturing Facilities – Mexico</b>					
Queretaro	X		X	X	
<b>Manufacturing Facilities – China (Joint Venture)</b>					
Wah Tsun	X		X	X	

Total Square Footage	Number of Presses	Tonnage Range (in tons)
40,400	11	20-250
1,700	–	–
<b>Manufacturing Facilities - United States</b>		
76,800	38	150-500
172,200	53	7-935
45,000	11	20-110
56,440	8	220-850
118,000	25	20-250
<b>Manufacturing Facilities – Mexico</b>		
108,715	61	25-850
<b>Manufacturing Facilities – China (Joint Venture)</b>		
49,560	33	45-440