



Concentric

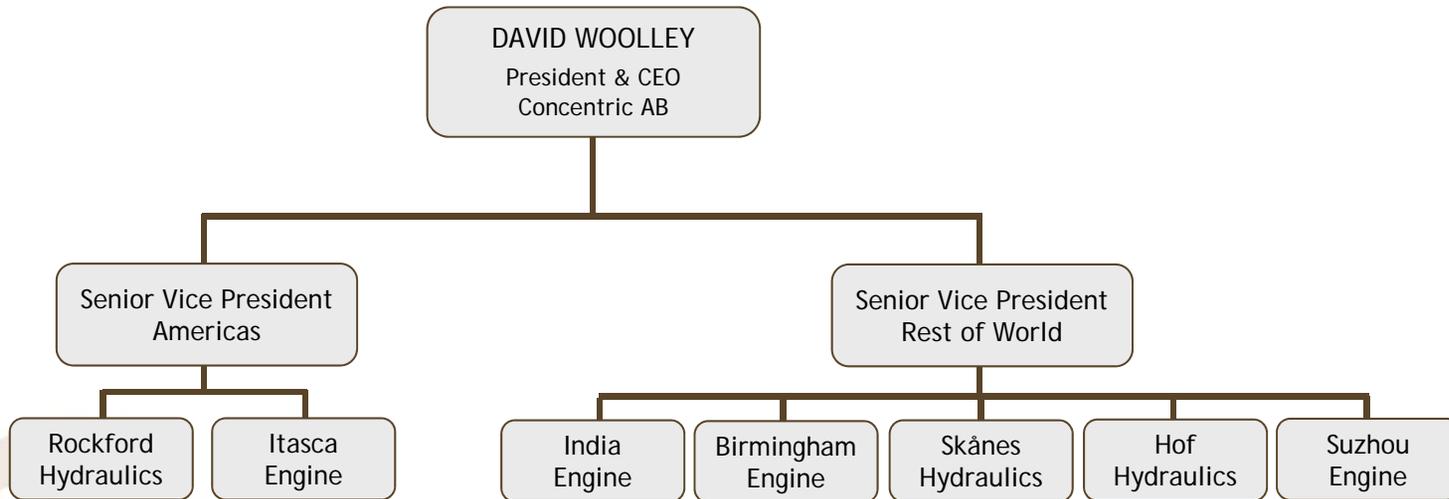
Technology + Innovation = Sustainability

# Who Are We?

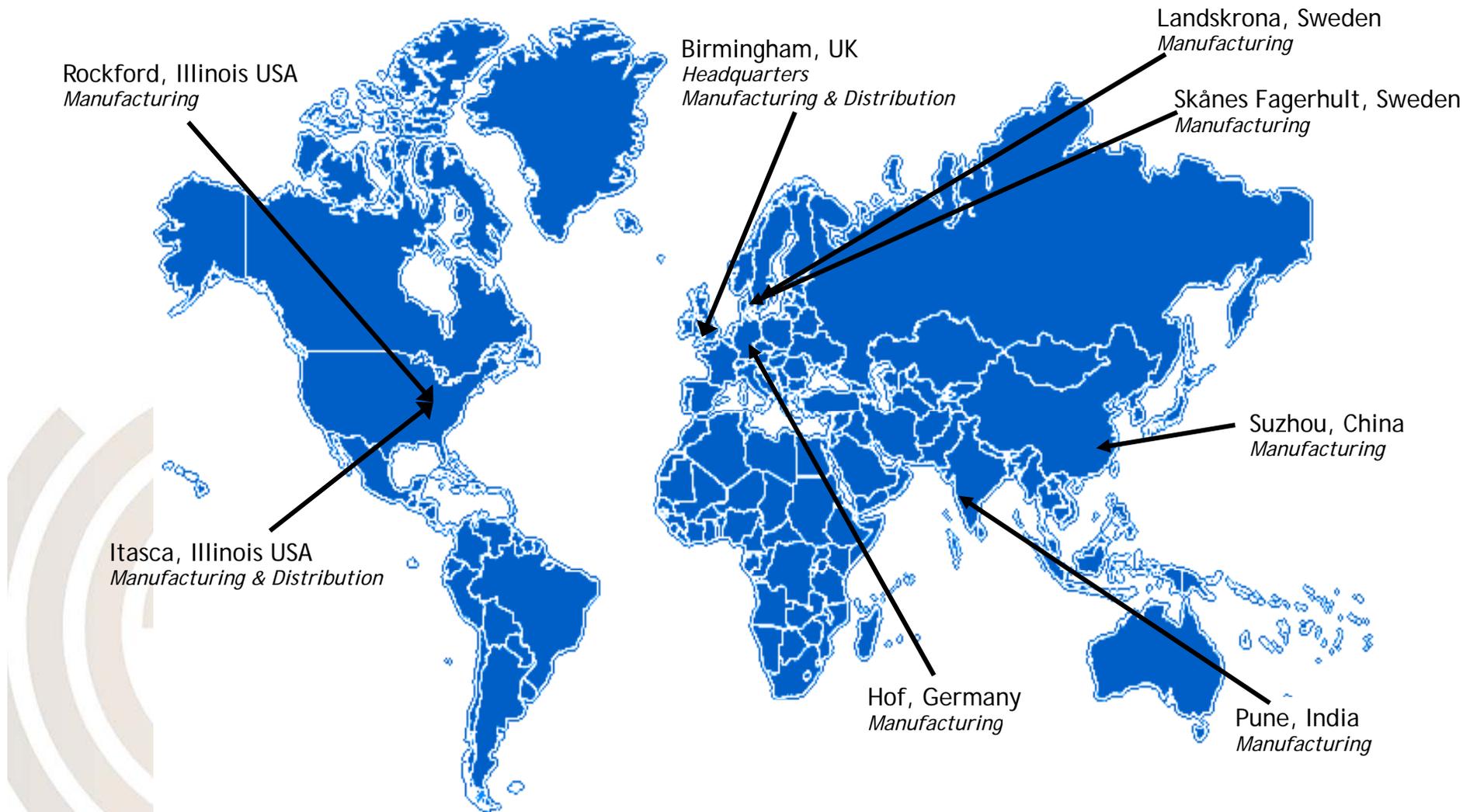


- Concentric
  - Swedish Public Company
  - Trades on the Swedish NASDAQ OMX Stock Exchange
    - “Small-to-Mid Cap” companies
    - Great environment for engineering/manufacturing companies
  - “Stand alone” company - more visible to our investors

# Concentric AB



# The Businesses - The Global Footprint



# The Plants



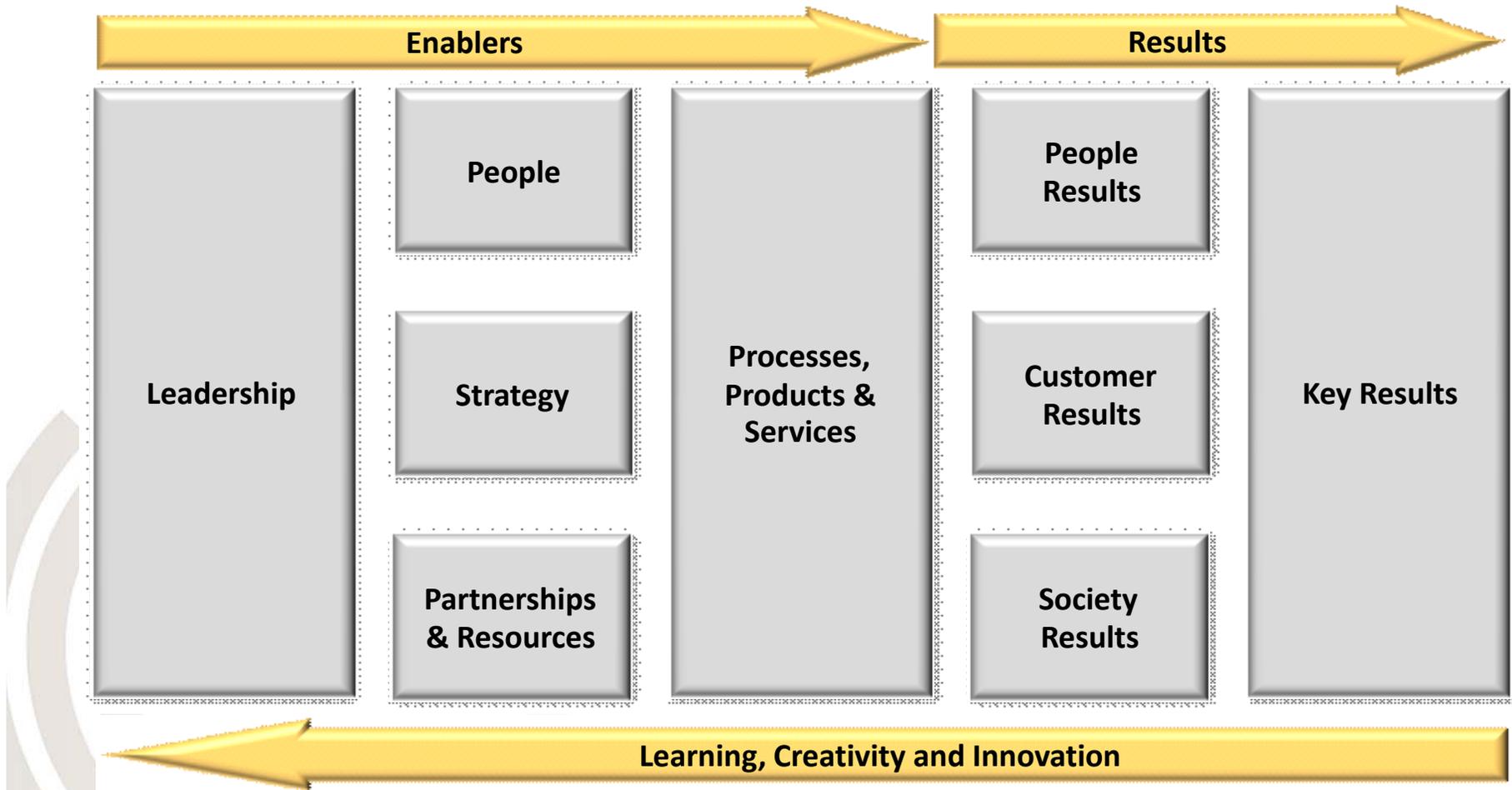
# People - How Many and Where



Plant	People
Rockford	250
Itasca	83
Birmingham	192
Hof, Germany	152
Skånes, Sweden	67
Pune, India	235
Suzhou, China	30
Alfdex AB	42
Sales Offices	3
<b>Total</b>	<b>1054</b>



# Concentric Business Excellence EFQM or Malcolm Baldrige





Concentric Rockford Inc.

Rockford, IL

Technology + Innovation = Sustainability

# Rockford, Illinois



# Manufacturing Facility Overview



- 125,000 Square Feet - 20 Acres
- Facility Constructed in 1963; Expanded in 1979 and 1989
- 250 Employees
- Primary Products: External Gear Pumps, Pump/Motor Packages, Fluid Motors, Flow Dividers, Hydraulic Valves, Complete AC and DC Power Systems
- Manufacturing Capabilities: Conventional, CNC and Specialized Machining; Precision Boring; Mid-Volume and Short-Run Assembly; Manual and Automated Test Facilities
- Volume: Approximately 634,000 Pump Sections and 154,000 Power Systems Annually
- ISO 9001: Certified Since 1994
- ISO 14001: Certified Since 2002
- ISO 9001-2000: Certified Since 2003
- Illinois Performance Excellence Bronze Award: Certified 2013



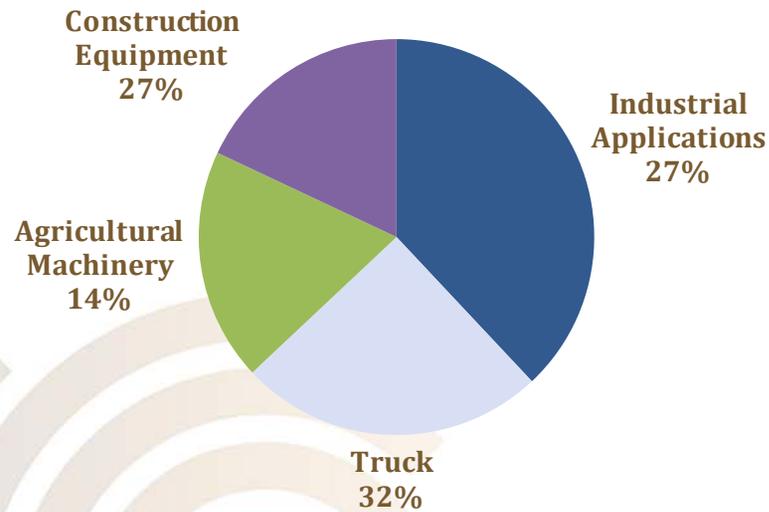
# Concentric Rockford Inc. Products and Markets

Technology + Innovation = Sustainability

# What and Where We Sell

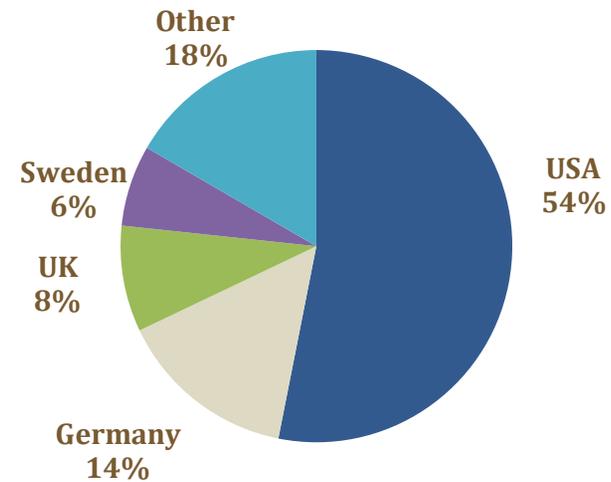


## 2012 Sales by End Market



Diverse product use and sector!

## 2012 Sales by Customer Location

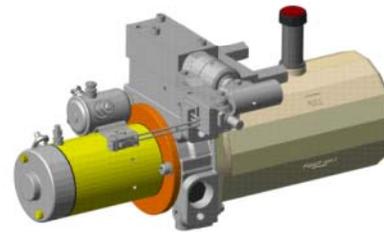


Global sales - the US is most important market

# Products - Hydraulics



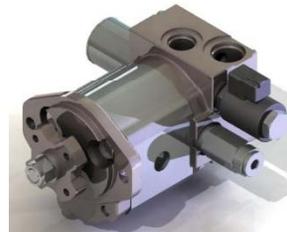
Cab Tilt and Ladder Stow



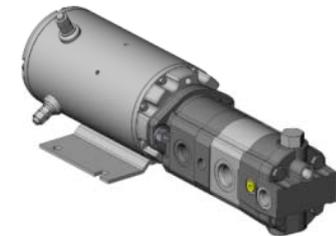
Auxiliary Pumps



Fan Drive



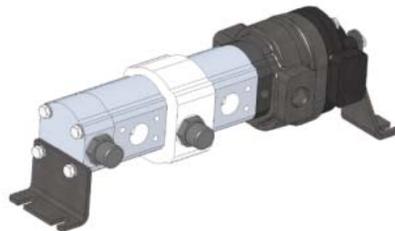
Supplemental Steering



Transmission



Axle Cooling



Implement Pump



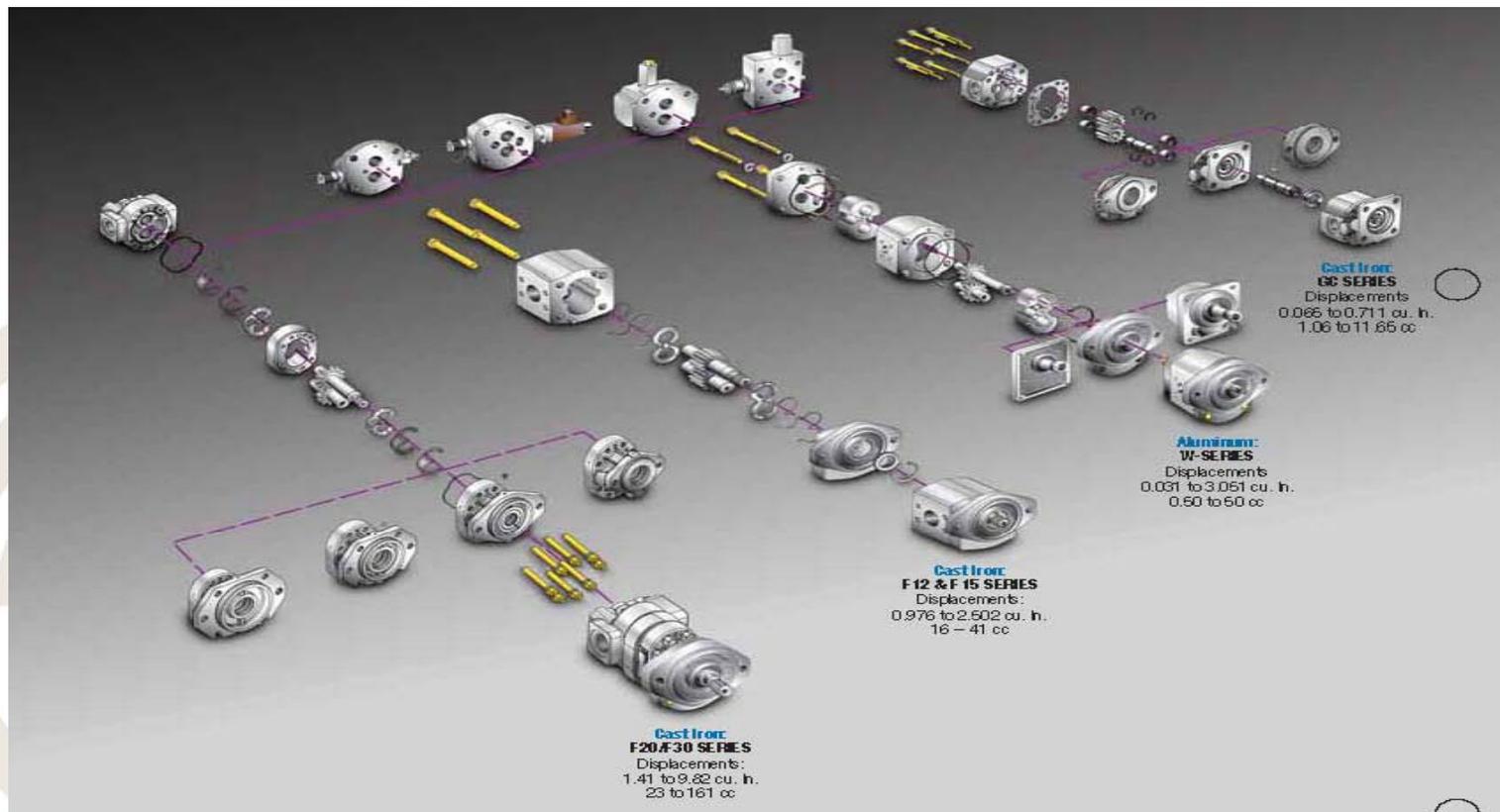
Accumulator Charging



# Specialists in Gear Pumps and Motors



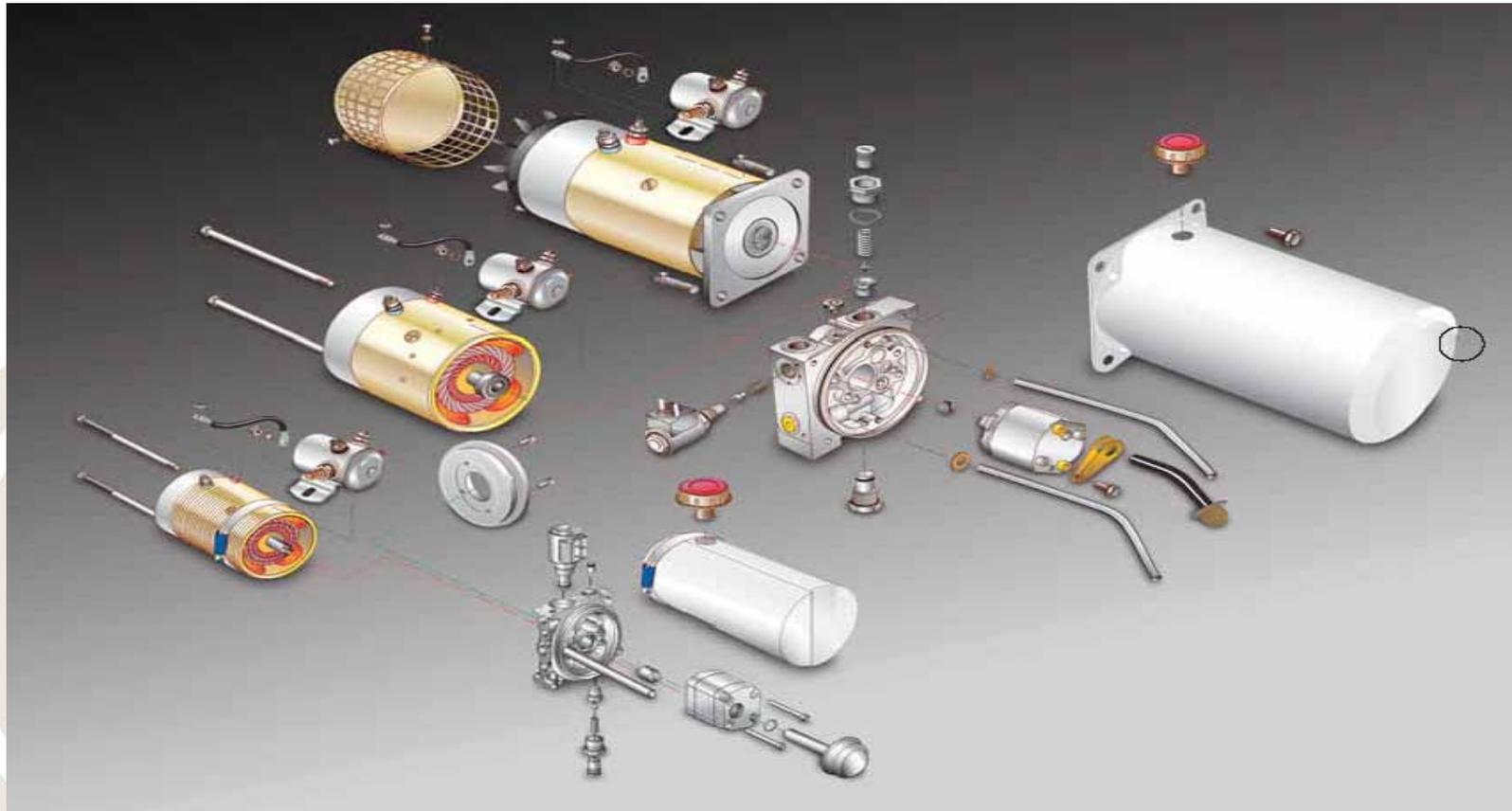
The widest range of gear pumps in the industry insures that the optimum product performance and configuration can be tailored to virtually any application requirement.



# Specialists in Hydraulic Power Units



Our expertise lies in understanding the diverse set of technical variables involved in matching the correct electric motor, hydraulic pump, and control valves to suit specific application requirements.



Key Markets Served  
Current Overall NA Market Share 25%



Construction



Agriculture



Material Handling



Aerial Lift



Truck & Bus

# SPECIAL PRODUCTS DESIGNED FOR CONSTRUCTION EQUIPMENT



**Electric motor/  
hydraulic pump  
provides  
supplementary  
hydraulic power**

DC electric motor combined with a hydraulic pump and integrated valve provides supplementary hydraulic power when the main power source is not operational.



**Integrated  
hydraulic motor  
and pump design  
for axle cooling**

Hydraulic pump directly driven by an integrated hydraulic motor for cooling wet brakes. Custom designed for specific vehicle requirements.



**Hydraulic pump  
and hydraulic  
motor with  
integrated control  
for fan drive**

Hydraulic pump and motor with integrated valve enables flexibility in installation and optimized cooling for increased engine efficiency.



**Transmission  
pump**

Custom designed for specific applications. Provides transmission lube and hydraulic pressure for actuation of a transmission clutch pack.



**Mobile  
hydraulics**

Hydraulic pumps for demanding mobile vehicle applications including construction equipment, agricultural equipment, forklifts, aerial work platforms and tail gate lifts.



**Hydraulic pump  
for accumulator  
charging**

Charging of accumulator for safety functions such as brakes.



**Self contained  
hydraulic system  
for a variety of  
lifting and  
positioning  
functions**

Modular hydraulic device that can be configured for a variety of hydraulic circuits on vehicles such as fork lift trucks, tail gate lifts, and snowplows.

# Agriculture Equipment



## Harvester

- Separator Fan Drive
- Scavenge Pumps
- Spreader Drive Pumps
- Implement Pumps
- Fan Drive Motors
- Spreader Motors
- Reel Drive



## Tractor

- Supplemental Steer
- Implement Pumps
- Charge Pumps
- Steering Pumps
- Ground Drive Pumps



## Seeder

- Blower Motor
- Vacuum Motor
- Pesticide Pump/Motor



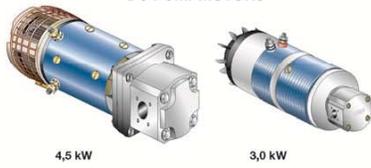
## Sprayer (Self-Propelled)

- Herbicide Pump/Motor
- Boom Lift Pump
- Supplemental Steer
- Fan Drive Cooling

# Material Handling



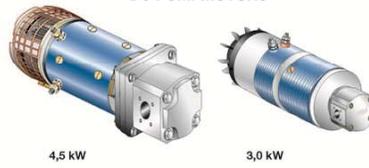
## DC PUMPMOTORS



4,5 kW

3,0 kW

## DC PUMPMOTORS



4,5 kW

3,0 kW



HB800  
0,9 kW

HE2000  
3,0 kW



HB800  
0,9 kW

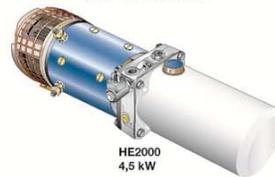
## HE POWER PACKS



HE2000  
3,0 kW

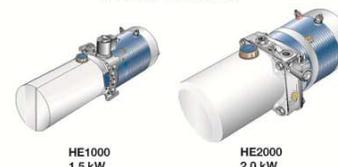
HE2000  
2,0 kW

## HE POWER PACK



HE2000  
4,5 kW

## HE POWER PACKS



HE1000  
1,5 kW

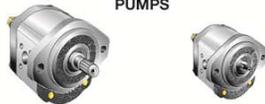
HE2000  
2,0 kW

## DC PUMPMOTOR



3,0 kW

## PUMPS



WP1500 19 - 50 cm<sup>3</sup>

WP900 5 - 31 cm<sup>3</sup>  
WQ900-QUIET 5 - 23 cm<sup>3</sup>

## PUMP



WQ900-QUIET 5 - 23 cm<sup>3</sup>  
WQ900-LOW SPEED 5 - 23 cm<sup>3</sup>

## PUMPS



WQ300-QUIET 0,8 - 5,7 cm<sup>3</sup>

WQ900-QUIET 5 - 23 cm<sup>3</sup>

## PUMPS and MOTORS



WM600 4 - 12 cm<sup>3</sup>

WM900 5 - 31 cm<sup>3</sup>  
WP900 5 - 31 cm<sup>3</sup>

WP1500 19 - 50 cm<sup>3</sup>

## COUNTER BALANCE ELECTRIFIED AC/DC

Applications:  
Lift, lower, tilt, side shift, spreader, powersteering, cabtilt



## REACH TRUCKS

Applications:  
Lift, lower, tilt, side shift, spreader, side shift



## WALKIE PALLET & WALKIE STACKER

Applications:  
Lift of support legs <200 mm  
Lift of forks  
Auxiliary functions



## COUNTER BALANCE IC

Applications:  
Lift, lower, tilt, sideshift, spreader, steering, cabtilt, fandrive



# Truck & Bus



# Aerial Lift

