

## MOBILE HYDRAULIC SOLUTIONS



# GEFRAN

# TECHNOLOGIES AND PRODUCT RANGE

Gefran is the **leading designer and manufacturer** of sensor solutions for position, pressure, temperature and force measurements. With over 40 years of **know-how and experience**, Gefran offers a complete range of sensor solutions specifically for mobile hydraulics. Gefran focuses specifically on applications in the following industries:

- Agriculture
- Construction
- Material Handling








Gefran offers a product portfolio of sensors to equip your vehicles that provide end-users with a vehicle that is robust, reliable and safe – works every time the way you designed the vehicle to work. Gefran does this by **designing in specific features** in its product portfolio that the industry and customer demand. Gefran, you know we are there.

Gefran provides:

- a **wide range** of products that ensure robustness, reliability and safety
- industry leading **technical support and training**
- premier **customer service**
- worldwide sales network

A wide product range, diversified technologies and a 40 year history working with vehicle builders and vehicle component manufacturers make Gefran a reliable, knowledgeable and experienced partner.

Gefran provides sensor solutions that enable you to design **robust, reliable and safe vehicles** that can perform in any environment or work condition.

Technology	Product range	Plus
LINEAR POSITION	<b>MAGNETOSTRICTIVE</b> Position transducers  <b>RK5 / RK5C</b> 	- VIBRATION-RESISTANT - ATEX VERSIONS AVAILABLE - CANOpen DIGITAL OUTPUT
	<b>POTENTIOMETRIC</b> Position transducers  <b>PC67 with cable</b> 	
	<b>POTENTIOMETRIC</b> Wire position transducer  <b>GSF</b> 	
ROTATION	<b>GRA</b> 	- ROBUST AND COMPACT - ELECTROMAGNETIC COMPATIBILITY - MULTIPLE CONFIGURATIONS
	<b>GRN</b> 	
INCLINATION	<b>GIB</b> 	- HIGH PRECISION - RANGE OF ANALOG/DIGITAL OUTPUTS - EASY INSTALLATION
	<b>GIG</b> 	
	<b>GIT</b> 	
PRESSURE	<b>FILM DEPOSITED ON STAINLESS STEEL DIAPHRAGM</b> Pressure transducers  <b>KH / KHC</b> 	- AUTOMOTIVE CONNECTORS - SIL2 CERTIFICATION - CANOpen DIGITAL OUTPUT
FORCE	<b>SL</b> 	- ROBUST AND RELIABLE - ADVANCED TECHNOLOGY - EASY TO INSTALL
	<b>TH</b> 	

# SOLUTIONS FOR MATERIAL HANDLING

Applications for the material handling industry require solutions that are:

- are **robust and reliable** in industrial environments
- provide **repeatable and precise** performance every time
- provide **high performance** to ensure vehicle, personnel and sometimes product safety

Gefran offers solutions that are suitable to the **demanding work conditions** of the material handling industry, providing robust, reliable and repeatable feedback solutions. Gefran offers a complete line of products that **guarantee total control of vehicle movements, boom extension, vehicle inclination and load capacity**. Providing the construction industry with robust, reliable and safe vehicles.

<b>1</b>	Cylinder position		<b>5</b>	Vehicle axis inclination	
<b>2</b>	Boom extension		<b>6</b>	Turret rotation angle	
<b>3</b>	Basket load measurement		<b>7</b>	Hydraulic circuit pressure	
<b>4</b>	Stabilization control		<b>8</b>	Boom inclination	



AERIAL PLATFORMS



SCISSOR LIFTS



CRAWLER CRANES



FORKLIFT

# SOLUTIONS FOR AGRICULTURE

Applications for the agricultural industry require solutions that:

- are **robust to various** environmental conditions
- provide **repeatable and precise** performance every time
- are **reliable** in extremely demanding field conditions
- enhance **safety** of the agricultural vehicle and operator

Gefran offers solutions that are suitable to the **demanding work conditions** of the agricultural industry, providing robust, reliable and repeatable feedback solutions. Gefran offers a complete line of products that guarantee **total control of vehicle steering, inclination and acceleration**. Providing the agricultural industry with robust, reliable and safe vehicles.

1	Vehicle axis inclination		4	Traction control	
2	Steering control		5	Accelerator pedal control	
3	Hydraulic circuit pressure		6	Inclination of tow	



TRACTORS



COMBINE HARVESTERS



SPRAYERS



BALERS



## SOLUTIONS FOR CONSTRUCTION

Applications for the construction industry require solutions that:

- are **robust** to various environmental conditions
- provide **repeatable and precise** performance every time
- are **reliable in extremely demanding** construction site conditions
- provide high performance to ensure **vehicle and personnel safety**

Gefran offers solutions that are suitable to the **extremely demanding work conditions** of the construction industry, providing robust, reliable and repeatable feedback solutions. Gefran offers a complete line of products that guarantee **total control of vehicle movements, boom extension, vehicle inclination and load capacity**. Providing the construction industry with robust, reliable and safe vehicles.

<b>1</b>	Cylinder position		<b>4</b>	Hydraulic circuit pressure	
<b>2</b>	Boom extension		<b>5</b>	Vehicle axis inclination	
<b>3</b>	Position angle		<b>6</b>	Vehicle load measurement	



WHEEL LOADERS



DRILLING RIGS

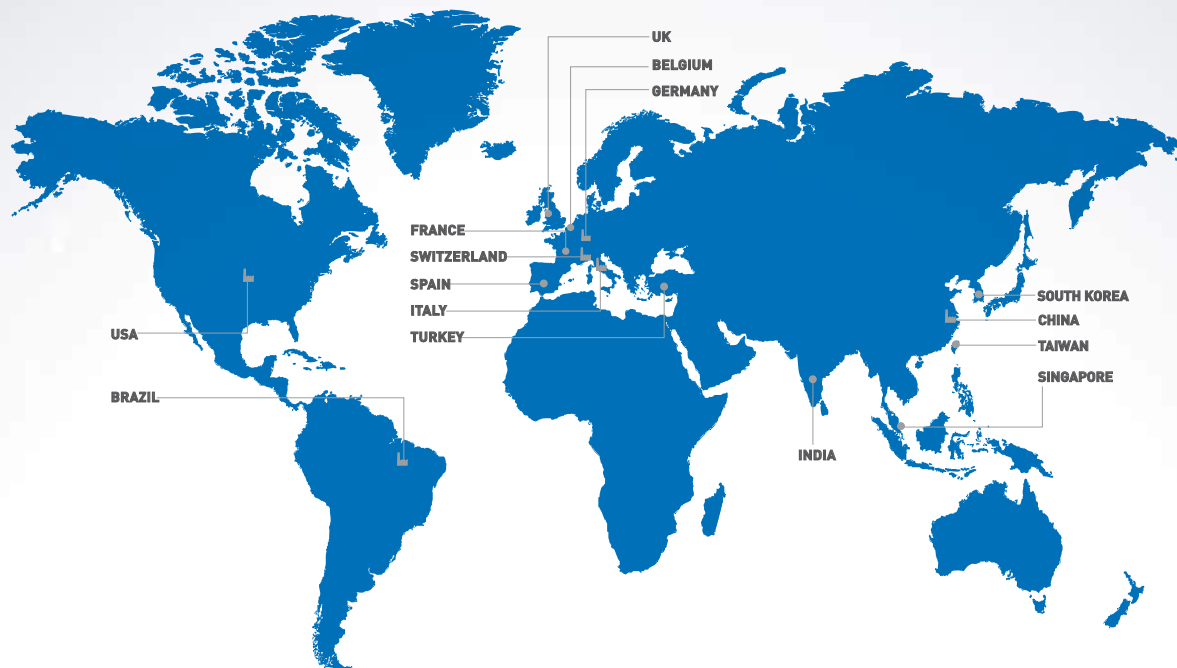


ROAD ROLLER



TRACKED EXCAVATORS

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# GEFRAN

You know we are there