

# Central Tyre Inflation Systems

## WHAT IS CENTRAL TYRE INFLATION?

Central Tyre Inflation Systems (CTIS) allow you to adjust and maintain the correct tyre pressures for varying loads, speeds, field and road conditions with the simple touch of a button whilst on the move.

CTIS is suitable for all types of agricultural machinery

## 4 KEY BENEFITS

✓ Efficiency & Productivity

✓ Reduced Operating Costs

✓ Increased Soil Protection

✓ Operator Comfort

### Increase traction by up to 30%

Optimised tyre pressures prevent unnecessary wheel slip and produce maximum machinery output while reducing working time.

### Reduce tyre wear by up to 20% and fuel consumption by up to 15%

Optimised tyre pressure increases tyre life while lowering the rolling resistance of any machinery tyre reducing fuel use.

### Increase yields by up to 4%

Increasing the tyre surface area reduces the pressure on the soil, this leads to reduced compaction and preserves the agronomic yield potential.

### Improve operator comfort

The cushioning effect provided by the tyres dramatically increases operator comfort and health for increased efficiency and productivity.



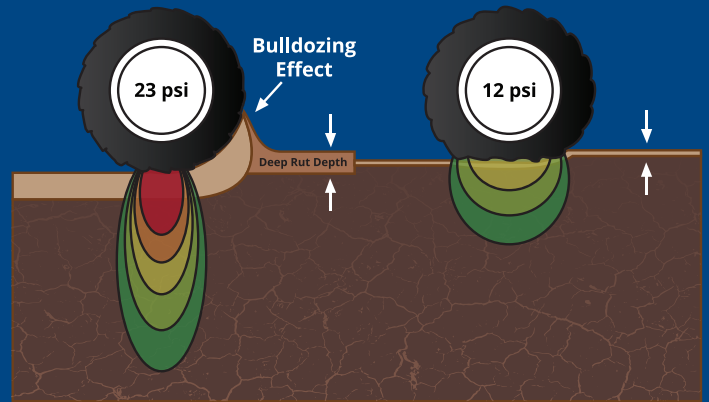
# How it works

**In the field**, optimal tyre pressures increase the tyre footprint in length and maximise the tread bar width, distributing the machinery weight across an increased surface area resulting in reduced soil compaction, rolling resistance and fuel consumption while increasing traction and flotation.

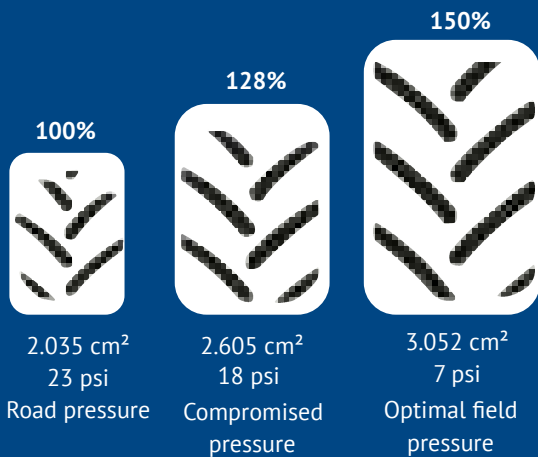
**On the road**, higher tyre pressures reduce fuel consumption and minimise tyre wear while providing stability for improved road handling and safety.

**High Tyre Pressure**  
Higher Soil Compaction

**Optimal Tyre Pressure**  
Lower Soil Compaction



## FOOTPRINT OF A TYPICAL RADIAL TYRE



**PTG Dual-line** systems remain pressureless unless activated, ensuring a long service life with sealing units proven to last for over 10,000 hours.

**Wheel valves** prevent tyres from going flat should a line fail and there are no manual taps for the operator to turn off.



Shallow ruts and less tramline maintenance



Improved root penetration and development



Improved crop recovery after wheel traffic



**Simple to use** tyre pressure control at the push of a button.

**Your choice of Digital or ISOBUS** controllers that are programmable to suit any tyre variant.

**Return on investment is quick** between fuel savings, extended tyre life, reduced operating time and agronomic benefits.

**Made in Germany** PTG tyre inflation systems guarantee the highest level of reliability backed by more than 30 years of research and development.



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