Uninterrupted Air Power
for Fibre Laser Cutting

HIGH PRESSURE 16-BAR LASER CUTTING COMPRESSORS

High-pressure 16-bar air compressors are specifically designed to power fibre-laser cutting machines, providing the same precision as nitrogen for certain materials and thicknesses, but at only a fraction of the cost. These all-in-one systems make it easy to operate your laser cutting processes efficiently with air-assisted cutting, without compromising on quality.



KEY FEATURES

- **Designed for Laser Cutting:** 16-bar high-pressure specifically made for laser cutting operations
- **Energy-Efficient Performance:** Uses less power while maintaining high output, reducing energy consumption without sacrificing productivity.
- **Extended equipment life:** lower discharge temperatures to reduce wear, and cut operational costs.
- **Continuous 100% Duty Cycle:** Runs nonstop without overheating or losing efficiency, ensuring steady compressed air during peal demand
- **Quieter Operation:** Operates with less noise, improving workplace comfort and helping meet noise compliance standards
- **Laser-grade air:** ISO 8573-1:2010 Class 1:4:1

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High Pressure 16 Bar Laser Cutting Compressor

FC200V-16-LAS pictured with Tank, Dryer, and 3-Stage Filtration

KEY FEATURES

- Compact footprint for easy placement in tight spaces
- Simple installation with all plumbing pre-commissioned
- Laser-grade air: ISO 8573-1:2010 Class 1:4:1
- Lower upfront purchase cost for budget efficiency
- All-in-one design with inline filters for true plug-and-play use
- Fixed speed drive engineered for energy efficiency filters for plug and play

16-Bar

MODEL NUMBER	MOTOR SIZE (KW)	DECIBEL	DRIVE TYPE	PRESSURE OPTIONS (BAR)	FLOW RATES (CFM)	OUTLET SIZE	TANK SIZE	CIRCUIT BREAKER REQUIRED	WEIGHT	DIMENSIONS (L/W/H)
FC200V-16-LAS	15	62	Belt	16	65	3/4"	500	32	590kg	1980/830/1870mm
FC300V-16-LAS	22	65	Belt	16	78	1"	500	50	850kg	1980/950/2030mm

PRODUCT INSTALL

MODEL
FC300V-16-LAS



Savings of up to 80% compared to Nitrogen cutting costs



Benefits

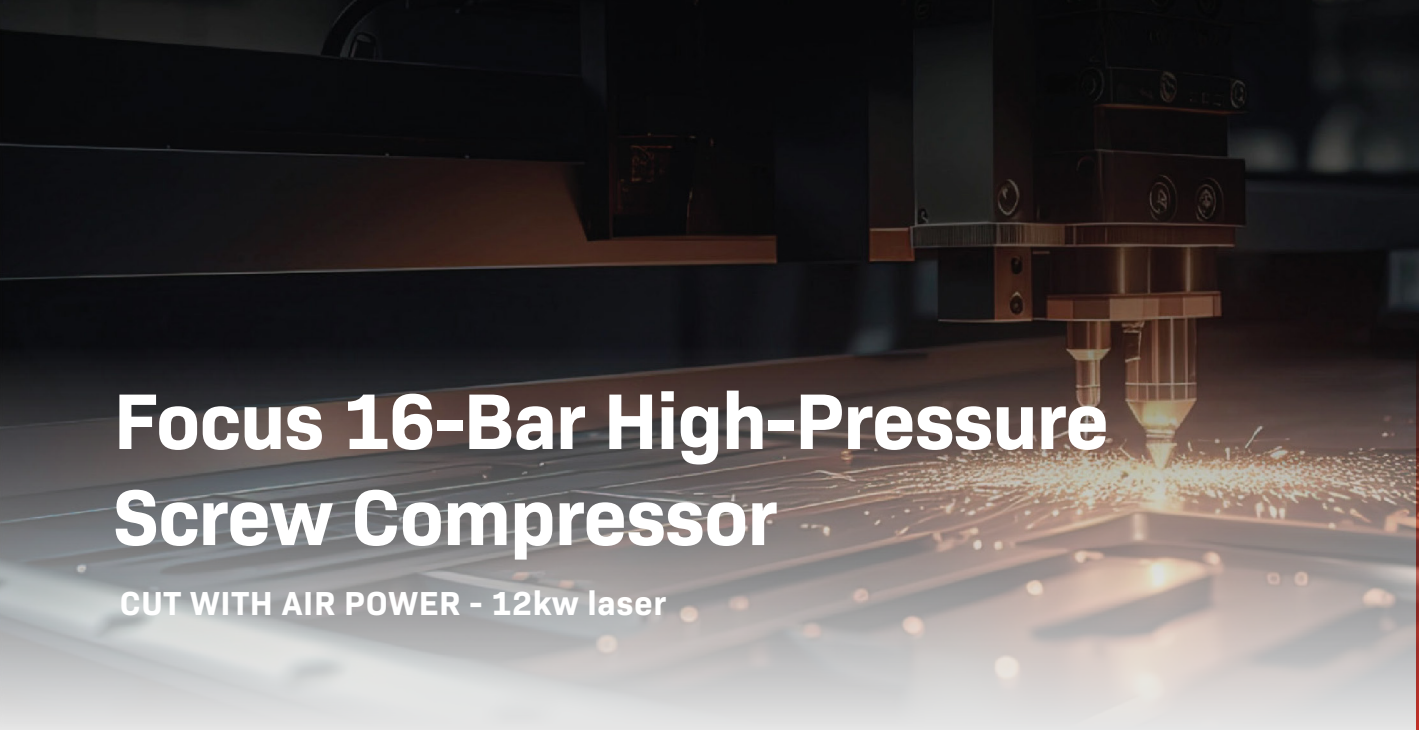
- Compact Footprint
- Easy installation due to all plumbing pre-commissioned
- Reduced purchase cost
- All-in-one full features with inline filters for plug and play

Models

FC200V-16-LAS - Focus 15kw Fixed Speed 16bar Pressure screw compressor mounted to 500ltr high pressure tank and 16bar refrigerated dryer. Fitted with fully automatic condensate drain and 3-stage inline filtration.

FC300V-16-LAS - Focus 22kw Fixed Speed 16bar Pressure screw compressor mounted to 500ltr high pressure tank and 16bar refrigerated dryer. Fitted with fully automatic condensate drain and 3-stage inline filtration.

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Focus 16-Bar High-Pressure Screw Compressor

CUT WITH AIR POWER - 12kw laser

The High Pressure Focus Rotary Screw Compressor range guarantees low noise and a compact footprint. With the industry leading Hanbell Airend at the core of each model, the Focus Chieftain Compressors are reliably powering Australian industries.

EFFICIENT & RELIABLE

Utilising the market leading Hanbell airend, a belt drive for simple adjustment, and a high-efficiency motor, reliability is the foundation of the Chieftain range.

ADVANCED FILTRATION

The 3-stage filtration with pre, post, and carbon filters ensure clean compressed air supply and prevents damage occurring to tools and machinery.

ENHANCED COOLING

Oversized cooling system and silent axial flow fan ensures accurate and powerful temperature control.

REDUCED MAINTENANCE

The effective design of each component and the assembly of the compressor eliminates internal vibration and leakage, further supporting the foundation of reliability.

MINIMAL NOISE

Highly effective insulation and cabinet design ensure the compressor operates quietly, ideal for noise-sensitive areas and a welcome upgrade from noisy alternatives.

HOW IT WORKS?

Cut your nitrogen costs, discover how this air compressor setup slashes expenses for fibre laser cutting



3MM STAINLESS STEEL 3042B AIR



10MM ALUMINIUM 5005 AIR



16MM STAINLESS STEEL 304 AIR

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