



CANADIAN

— OVERSEAS TRADE INC. (COTI) —
GLOBAL TRADE. TRUSTED PARTNER.



— CONNECTING CANADIAN EXCELLENCE WITH GLOBAL OPPORTUNITIES —



OIL & GAS



MINING



STEEL & METALS



CONSTRUCTION



INDUSTRIAL SOLUTIONS



RENEWABLE ENERGY



TRADE & SUPPLY

CAPABILITY 06 / 27

Pumps, Compressors & Rotating Equipment

Critical rotating-equipment support for maximum uptime.



Photo: Saud, Wikimedia Commons, CC BY-SA 4.0 – https://commons.wikimedia.org/wiki/File:Centrifugal_Pump.jpg

OVERVIEW

Pumps, compressors and other rotating machines are the heart of every process plant, and their failure stops production. COTI sources the machines, drivers, transmission components, condition-monitoring hardware and spares, and coordinates repair through qualified providers.

CONTENTS

- 6.1** Centrifugal, positive-displacement, metering, dosing and submersible pumps.
- 6.2** Compressors and compression-related components; motors, turbines and drivers.
- 6.3** Gearboxes, couplings, bearings, mechanical seals, lubrication components and filters.
- 6.4** Condition-monitoring hardware, vibration-related instruments and rotating-equipment spares.
- 6.5** Repair/refurbishment and specialist service coordination through qualified providers.

6.1 Centrifugal, positive-displacement, metering, dosing and submersible pumps.

SUPPLY SCOPE

Centrifugal, positive-displacement, metering, dosing and submersible pumps.

DEFINITION

Centrifugal pumps use a rotating impeller and suit large flows; positive-displacement pumps move a fixed volume per cycle and suit high pressure or viscous fluids; metering and dosing pumps inject precise quantities; submersible pumps work immersed in the fluid.

6.2 Compressors and compression-related components; motors, turbines and drivers.

SUPPLY SCOPE

Compressors and compression-related components; motors, turbines and drivers.

DEFINITION

Compressors raise gas pressure (reciprocating, screw or centrifugal). They are driven by electric motors, gas or steam turbines or engines. COTI sources compressors, drivers and their associated components.



Photo: Steven Baltakatei Sandoval, Wikimedia Commons, CC BY-SA 4.0 – https://commons.wikimedia.org/wiki/File:Winslow_Compressor_Station,_February_2019.jpg

6.3 Gearboxes, couplings, bearings, mechanical seals, lubrication components...

SUPPLY SCOPE

Gearboxes, couplings, bearings, mechanical seals, lubrication components and filters.

DEFINITION

Gearboxes adapt speed and torque between driver and machine; couplings connect shafts; bearings support rotation; mechanical seals stop leaks along the shaft; lubrication systems and filters protect all moving parts.

6.4 Condition-monitoring hardware, vibration-related instruments and...

SUPPLY SCOPE

Condition-monitoring hardware, vibration-related instruments and rotating-equipment spares.

DEFINITION

Condition monitoring detects problems before failure by measuring vibration, temperature or oil condition. Vibration sensors, transmitters and portable analysers support predictive maintenance programmes.

6.5 Repair/refurbishment and specialist service coordination through qualified...

SUPPLY SCOPE

Repair/refurbishment and specialist service coordination through qualified providers.

DEFINITION

When a machine needs repair or overhaul, COTI coordinates the work with qualified workshops or the original manufacturer, including inspection, refurbishment, testing and return shipment.



Photo: Okane nyatoh daniel, Wikimedia Commons, CC BY-SA 4.0 – https://commons.wikimedia.org/wiki/File:Maintenance_work.jpg

Specialized services are provided and/or coordinated with qualified technical partners according to project requirements.

Contact COTI

Send us your RFQ, part numbers, nameplate photos or technical specifications. We will review your requirement and reply with a structured proposal.

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