

Your VFD needs – Our experience – Our trusted manufacturer – Your solution

For over 30 years, the team at Chess Controls inc. has serviced the industrial market motion control, motor control, and power transmission factory automation needs.

Mining – Pulp and Paper – Steel – Sawmill – Water and Waster Water - Aggregates

Industrial plants today are eager to adopt new technologies in order to increase production, increase reliability and reduce cost. VFD (Variable Frequency Drives) is commonly applied throughout all industries in applications where speed control of motors is beneficial.

There are many suppliers of quality VFD on the market. One of the biggest difference that clients experience in the harsh environment of Northern Ontario, Quebec and territories is the ruggedness and quality of the assembled solution.



VFD Assemblies

- CSA.
- Nema3R / 12 / 4 / 4X.
- Rotary or flange mounted disconnect.
- Enclosure climate monitoring and control.
- Panel mount operator keypad / pushbutton / pilot light.
- Advanced communication options.
- 120 VAC / 24 VDC I/O.
- Line / load reactor.
- DVDT filter.
- Braking.
- Advanced controls.
- Heavy duty enclosures

The VFD panel assembly process eliminates the need to compromise. When it comes to building your custom VFD solution, we can integrate the panel from Chess Controls stock components or use your preferred brand of product.



Our partner manages everything from the design to construction, quality inspection of the VFD assembly. The flexible and streamlined process is significantly more cost-effective than on site assembly. Regardless of the size of the project, our partner applies a well-defined project methodology. The project team work closely with our clients upfront to ensure all requirements are captured. The project team remain engaged throughout the project to ensure the requirements are applied, regular progress updates are provided, quality and on time delivery.

Before we provide any proposal, we invest the time to understand the application, environment and any of the site conditions / restrictions that might impact the operation of the VFD.

VFD application details

VFD Voltage: LV _____ MV _____
Motor Details: FLC _____ HP _____ CABLE LENGTH TO MOTOR _____
Additional Motor Details: _____
Application Details: CONSTANT TORQUE _____ VARIABLE TORQUE _____
Environmental conditions: INDOOR _____ OUTDOOR _____ UNDERGROUND _____
HARSH ENVIRONMENT / GAS _____ DUST _____ WET _____
AMBIENT TEMPERATURE _____
Market: MINING _____ PAPER _____ SAWMILL _____ STEEL _____ WATER _____ FOOD _____ OTHER _____
Enclosure: TYPE 1 _____ TYPE 3R _____ TYPE 12 _____ TYPE 4 _____ TYPE 4X _____
WALLMOUNT _____ FREE STANDING _____ FREE STANDING WITH 12" LEGS _____
Cable Entry: TOP ENTRY _____ BOTTOM ENTRY _____
Climate Control: FILTERED FAN _____ HEAT EXCHANGER _____ AIR CONDITIONNER _____ OTHER _____
Disconnect: FLANGED MOUNTED DISCONNECT _____ ROTARY DISCONNECT _____ FUSED _____
Bypass: NO BYPASS _____ WITH BYPASS _____
Operator Keypad: INSIDE ENCLOSURE ON VFD _____ REMOTE MOUNTED ON ENCLOSURE DOOR _____
Selector Switch / Push Buttons: _____
Pilot Light: _____

Line Reactor: 3% _____ 5% _____
Load Reactor: 3% _____ 5% _____
DVDT Filter: NOT REQUIRED _____ REQUIRED _____
Braking: NOT REQUIRED _____
REQUIRED _____ DUTY CYCLE _____ BRAKING TORQUE _____
ADDITIONAL INFORMATION _____
VFD I/O: 24VDC _____ 120VAC _____ QTY. _____ WIRED TO TERMINAL BLOCK _____
VFD Com: NONE REQUIRED _____ ETHERNET IP _____ PROFINET _____ PROFIBUS DP _____
MODBUS TCP/IP _____ MODBUS RTU _____ DEVICENET _____ CAN OPEN _____
Site Restrictions: _____

On Site Commissioning Assistance: _____

Date Required On Site: _____ Date Proposal is Due: _____