

Powder Transfer System

Ytron-Quadro Powder Transfer System with Mixer MML/150/400-1400/B

Powder Transfer System and Mixer Description

This powder transfer system incorporates a pneumatically operated Lift that is designed to lift a QVAC Vacuum Transfer Hopper, a Bypass powder infeed tube and a Ytron Mixer. The powder transfer system is constructed from Grade 304 stainless steel box section and is fully TIG welded throughout. The powder transfer system is mobile with two fixed and two swivel braked castors. The lifting arm will be raised and lowered via a pneumatic cylinder using dual push button control. The height of the Mixer in the lowered position is 400mm from the floor and the lift stroke is 1000mm to allow the mixer to clear the drum in the full raised position. The Mixer and QVAC are mounted on a common lift arm and the QVAC hopper could be raised independently to allow its disengagement from the Bypass. To ensure a safe system of operation, there were two Spring Actuated limit switches either side of the drum location position. There was a further sensor to sense that the lift was in its lowered position. The Mixer will only run once both bin location switches and the lift sensor are operated.



Ytron Quadro Powder Transfer System

Call now on 01495 312 172

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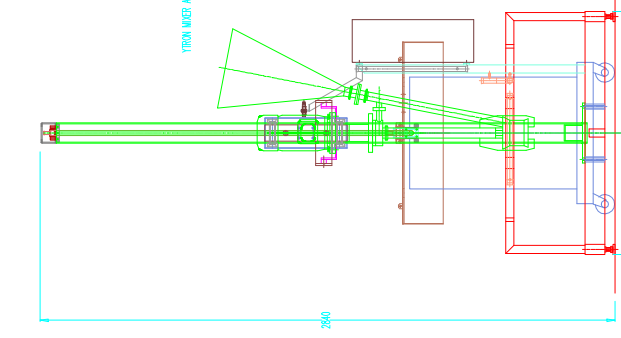
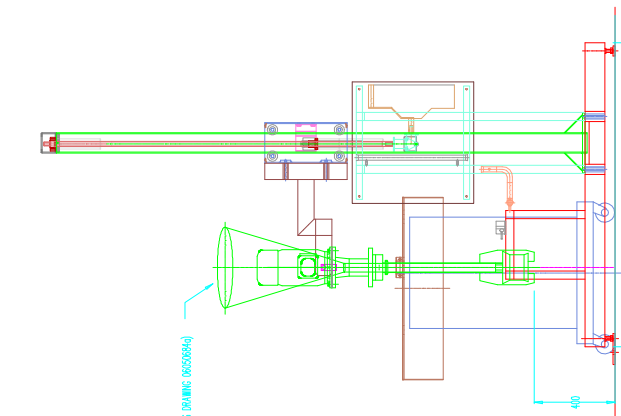
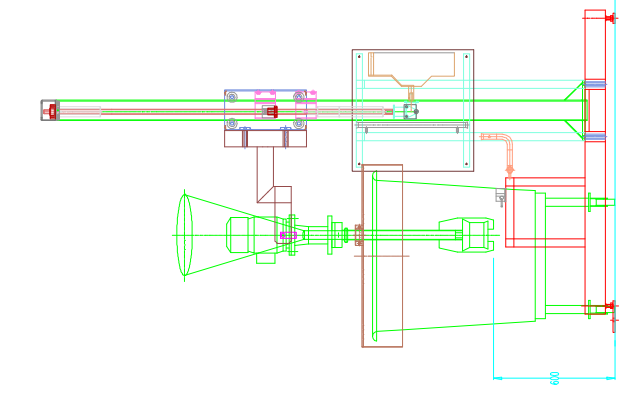
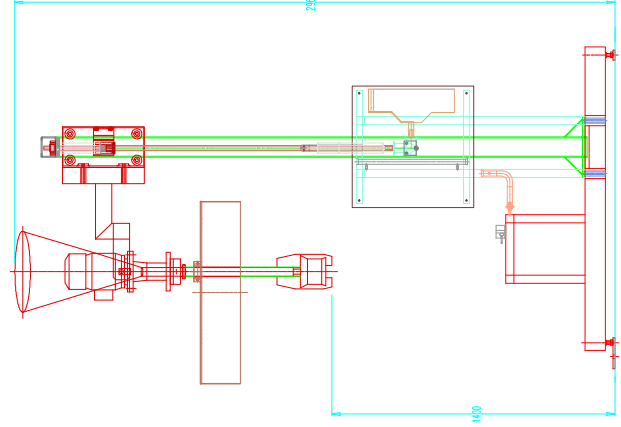
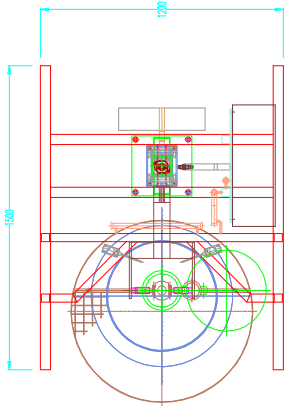


Powder Transfer System Specification

DESCRIPTION	YTRON-QUADRO POWDER TRANSFER SYSTEM
MODEL No.	PHL/150/400-1400/B
CAPACITY	150 Kgs
MINIMUM HEIGHT	400mm
MAXIMUM HEIGHT	1400mm
STROKE	1000mm
BASE ARRANGEMENT	MOBILE ON CASTORS
CONTROL CIRCUIT	24Vac (STANDARD)
ELECTRICAL RATING	IP65
LIMIT SWITCHES	ADJUSTABLE ROD

Powder Transfer System Application Story

This powder transfer system was required to vacuum transfer powders from a bag or bin into a vacuum transfer hopper. Once in the vacuum transfer hopper, the powders were fed into the solution via the bypass tube so that they were released directly into the mixer impeller giving a very efficient mix. The component parts of the powder transfer system were all fixed to a mobile base frame and this base frame was fitted with a pneumatically operated lift system. This lift allowed the transfer hopper and mixer to be lifted clear for a drum to be loaded for mixing.



TRON MIXER AND BYPASS (AS DRAWING 00552684)

MIXER IN FULL UP POSITION

MIXER IN LARGER VESSEL

MIXER IN SMALLER VESSEL

MIXER IN LARGER VESSEL

REMOVE ALL BURRS AND SHARP EDGES	
TOLERANCES : UNLESS OTHERWISE STATED	
FABRICATIONS : +/- 2.0mm	
MACHINING : +/- 0.2mm	
SHEET METAL WORK : +/- 1.0mm AND +/- 1.0 DEG	
DRAWN	CHECKED
JPW	DATE
	10.06.06
DRAWING NUMBER	
BP3121-1	

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REVISION NUMBER	CUSTOMER
DRAWING TITLE	
YTRON QUADRO MIXER & BYPASS LIFT	