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LAMPIRAN

Lampiran 1 Alat



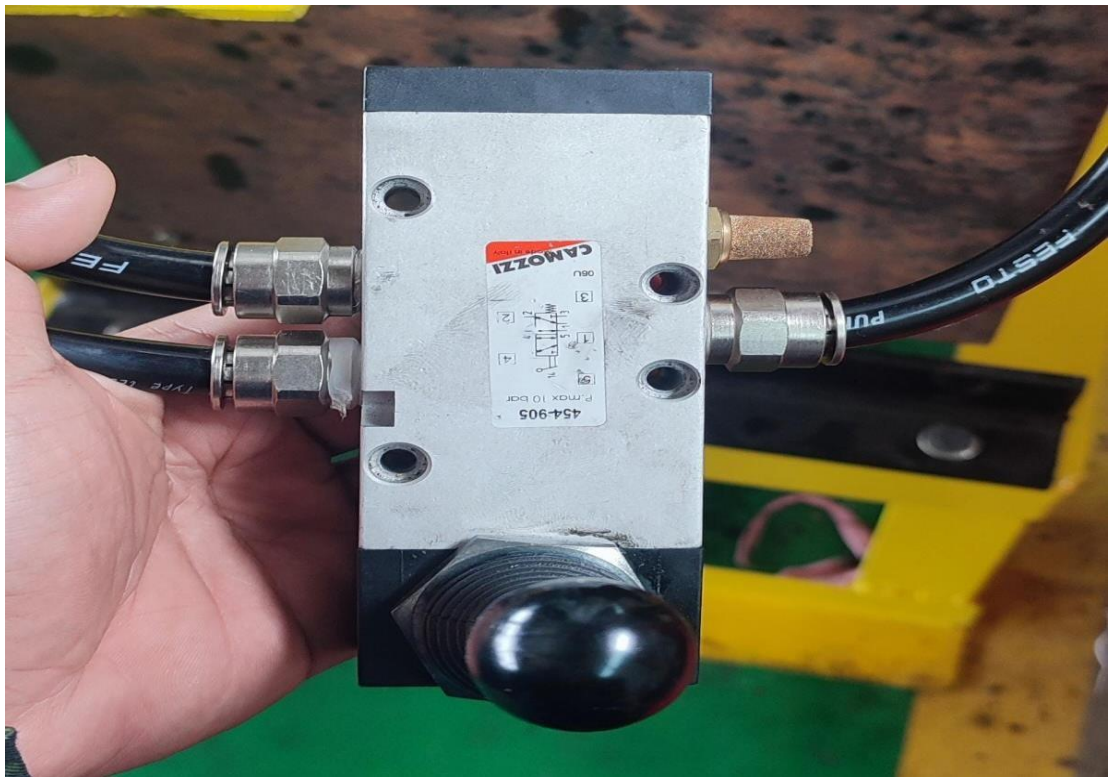
Kompresor



Tekanan pada kompresor (10 bar)



Tekanan pada *Presurre gauge* (8 bar)



Control Valve 5/2

Lampiran 2 Kerangka

Rangka Atas



Rangka Bawah

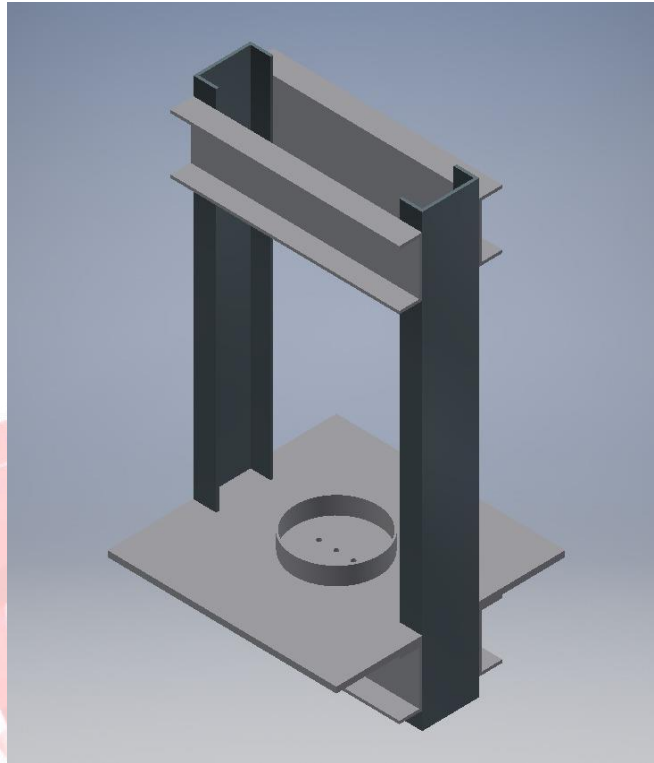
Lampiran 3 Kegiatan yang dilakukan



Proses Pemotongan Plat



Proeses Penggerindaan



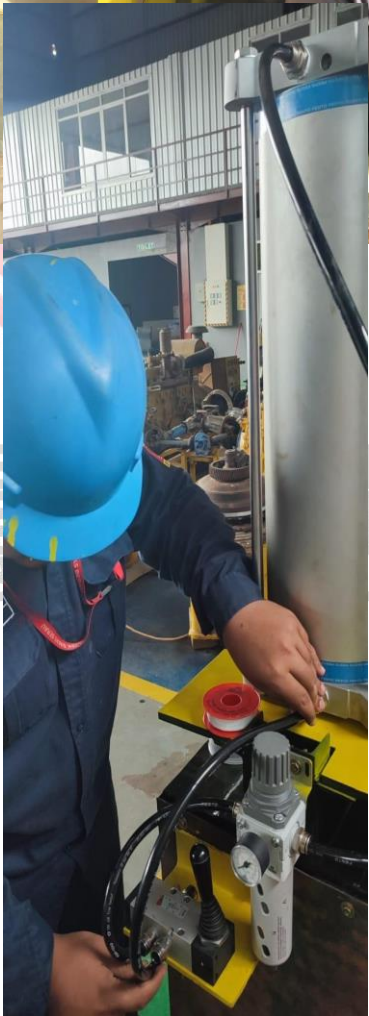
Pembuatan Rangka Menggunakan *Autocad Inventor 2019*

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Proses
Kerangka

Pengecatan



Lampiran 4

Perancangan Alat

Pemasangan Selang Dari Lubang Silinder Menuju *Control Valve*



Pemotongan Selang

Stroke	500 mm
Piston diameter	200 mm
Piston rod thread	M36x2
Short type code	DSBG
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	optional
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design	Piston Piston rod Tie rod Cylinder barrel
Position detection	Via proximity switch
Symbol	00991235
Variants	Piston rod at one end
Operating pressure	0.06 MPa ... 1 MPa
Operating pressure	0.6 bar ... 10 bar ✓
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
Ambient temperature	-20 °C ... 80 °C
Impact energy in end positions	4.8 J
Cushioning length	48 mm
Cushioning length, advance stroke	48 mm
Cushioning length, return stroke	48 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	18096 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	18850 N ✓
Moving mass for 0 mm stroke	5348 g

Tabel Festo

Lampiran 5
Sampel Benda Uji



Pengambilan

Pengukuran Sampel Pertama



Pengukuran



Sampel Kedua

Pengukuran Sampel Ketiga

Lampiran 6 material uji



Benda Uji 1

Benda Uji 2



Lampiran
Press

7 Mesin
Filter