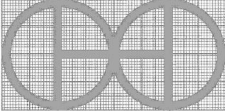


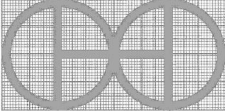
Parts list

POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	1	3d views				1
A1	1	3d views				2
A2		Exploded 3d view				3
B1		Parts list				4
B2		Parts list				5
B3		Parts list				6
B4		Parts list				7
C1		Technical notes				8
C2		Technical notes				9
1.0.0	1	Frame assembly	Frame assembly.iam			10
1.1.0	1	Frame	Frame.ipn			11
1.1.1	4	Leg	Leg.ipt	Production	44mm x 44mm Kiln dried wood	12
1.1.2	2	Top cross rail	Top cross rail.ipt	Production	75mm x 20mm Kiln dried wood	13
1.1.3	2	Top side rail	Top side rail.ipt	Production	75mm x 20mm x 320mm PlayWood	14
1.1.4	2	Bottom side rail	Bottom side rail.ipt	Production	44mm x 44mm Kiln dried wood	15
1.1.5	2	Diagonal side rail	Diagonal side rail.ipt	Production	44mm x 22mm Kiln dried wood	16
1.1.6	2	Foot	Foot.ipt	Production	75mm x 20mm Kiln dried wood	17
1.1.7	12	Wood screw		Standard	9.5mm x 2.1mm x 60mm long	
1.1.8	24	Wood screw		Standard	9.5mm x 2.1mm x 40mm long	
1.1.9	2	Top	Top.ipt	Production	26mm x 40mm Kiln dried wood	18
1.2.0	1	Table top	Table top.ipn			19
1.2.1	1	Table top	Table top.ipt	Production	750mm x 300mm x 20mm Play Wood	20
1.2.2	2	Table side A	Table side A.ipt	Production	44mm x 4mm Kiln dried wood	21
1.2.3	2	Table side B	Table side B.ipt	Production	44mm x 44mm Kiln dried wood	22
1.2.4	8	Wood screw		Standard	8mm x 2.1mm x 45mm long	
1.2.5	1	M10 screw hexagon head		Standard	M8 x 40mm long hexagon head	
1.2.6	1	M10 screw hexagon head		Standard	M8 x 80mm long hexagon head	
2.0.0	1	Rotor and stator assembly	Rotor and stator assembly.iam			23
2.1.0	1	Rotor	Rotor.ipn			24
2.1.1	1	Drum	Drum.ipt	Production	100mm x 100mm Od. Steel A36	25
2.1.2	1	Bed plate	Bed plate.ipt	Production	100mm x 10mm x 1.5mm sheet plate Steel A53	26

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Parts list		FILE NAME tpi_spm__sunflower-seeds-peeling-machine			POS B1
DEVELOPED BY		REDESIGNED BY 	DOC. TYPE Parts list	MATERIAL	QUANTITY
Tropical Products Institute		OHO e.V.	LICENCE CC-BY-SA 4.0	SCALE	SHEET 4 /71

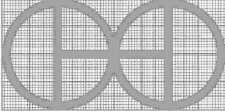
Parts list

POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
2.1.3	1	Shaft	Shaft.ipt	Production	330mm x 12mm Dia Steel A36	27
2.1.4	12	M3 screw CSK HEAD		Standard	M3 x 8mm long. screw CSK HEAD	
2.2.0	1	Stator quadrant	Stator quadrant			28
2.2.1	1	Body	Body.ipt	Production	125mm x 100mm x 44mm Kiln dried wood	29
2.2.2	3	Blade	Blade.ipt	Production	100mm x 10mm x 15mm sheet Steel A53	30
2.2.3	8	Wood screw		Standard	M6 x 18mm long CSK HEAD	
2.2.4	12	Screw		Standard	M3 x 8mm long. screw CSK HEAD	
2.3.0	1	Angle bracket	Frame0001.ipn			31
2.3.1	1	L 2 x 2	ANSI L 2 x 2 x 1_4 00000001.ipt	Production	50mm x 50mm x 6mm thick Steel A36	32
2.4.0	2	Berings		Standard	Plain berings pillow blocks , 12mm bore	
2.5.0	1	Chute	Chute.ipn			33
2.5.1	1	Chute PA	Part6.ipt	Production	1,5mm thick Aluminium alloy	34
2.5.2	12	3.2_POP_RIVET		Standard	Rivet 5mm x (3") 8mm long	
2.5.3	1	Chute PB	Part5.ipt	Production	1,5mm thick Aluminium alloy	35
2.5.4	2	Chute PC	Part2.ipt	Production	1,5mm thick Aluminium alloy	36
3.0.0	1	Feed Hooper	Feed Hooper.ipn			37
3.1.0	1	Hooper	Hooper.ipt	Production	1500mm x 300mm x 5mm Kiln dried wood	38
3.1.1	4	Upper hop support	Upper hop support.ipt	Production	32mm x 32mm Kiln dried wood	39
3.1.2	3	Lower hop support	Lower hop support.ipt	Production	112mm x 100mm Kiln dried wood	40
3.1.3	4	Wood screw		Standard	8mm x 2.1mm x 50mm CSK HEAD	
3.1.4	1	Chute	Chute.ipt	Production	102mm x 5mm Kiln dried wood	41
3.1.5	1	Deflector	Deflector.ipt	Production	15mm stickness Kiln dried wood	42
3.1.6	1	Foot1	Foot1.ipt	Production	44mm x 44mm Kiln dried wood	43
3.1.7	1	Hooper1	Hooper1.ipt	Production	15mm stickness Hardwood	44
3.1.8	2	Hooper2A	Hooper2A.ipt	Production	15mm stickness Hardwood	45
3.1.9	2	Hooper	Hooper.ipt	Production	15mm stickness Hardwood	46
3.1.10	2	Hooper2B	Hooper2B.ipt	Production	15mm stickness Hardwood	47
3.2.0	1	Shutter	Shutter.ipn			48
3.2.1	1	Arm	Arm.ipt	Production	8mm stickness Kiln dried wood	49
3.2.2	1	Shutter	Shutter.ipt	Production	5mm stickness Kiln dried wood	50
4.0.0	1	Flywheel assembly	Flywheel assembly.ipn			51

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Parts list		FILE NAME			POS B2
DEVELOPED BY		REDESIGNED BY 	DOC. TYPE Parts list	MATERIAL	QUANTITY
Tropical Products Institute		OHO e.V.	LICENCE CC-BY-SA 4.0	SCALE	SHEET 5 /71

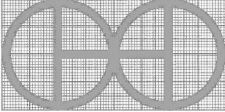
Parts list

POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
4.1.0	1	Flywheel	Flywheel.ipt	Production	25mm stickness Kiln dried wood	52
4.2.0	2	Drive plate	Drive plate.ipt	Production	180mm x 180mm x 6mm sheet Steel A53	53
4.3.0	1	Boss	Boss.ipt	Production	30mm Od. rod Steel A36	54
4.4.0	1	M6 grub screw		Standard	M6 x 10mm long	
4.5.0	4	Wood screw		Standard	4.8mm x 1.6mm x 25mm	
4.6.0	1	Cover	Cover.ipn			55
4.6.1	1	Back	Back.ipt	Production	5mm thick blockboard Wood	56
4.6.2	1	Top	Top1.ipt	Production	5mm thick blockboard Wood	57
4.6.3	1	Front	Front.ipt	Production	5mm thick Plywood	58
4.6.4	1	L.H side	L.H side.ipt	Production	530mm x 130mm x 20mm Planed Wood	59
4.6.5	1	R.Hside	R.Hside.ipt	Production	120mm x 188mm x 5mm Wood	60
4.6.7	2	Block	Block.ipt	Production	44mm x 44mm x 180mm planed Wood	61
4.6.8	30	Nail		Buy	9.5mm x 2.1mm x 60mm Steel	
5.0.0	1	Drive handle assembly	Drive handle assembly.ipn			62
5.1.0	1	Handle for drive pully	Handle for drive pully.ipn			63
5.1.1	1	Main shaft	Main shaft.ipt	Production	20mm dia, rod Steel A53	64
5.1.2	1	Tube dia, 22 x 0,8 wall	Tube dia, 22 x 0,8 wall.ipt	Production	22mm Od. tube 0,8mm wall thick Brass	65
5.1.3	1	Back stop	Back stop.ipt	Production	25 dia. Steel rod A53	66
5.1.4	1	M6 socket HD		Standard	M6 x 16mm long	
5.2.0	1	Spacer	Spacer.ipt	Production	10mm Od.rod Steel A53	67
5.3.0	1	Arm	Arm1.ipt	Production	sheet 6mm stickness Steel A53	68
5.4.0	1	Collar dia. 12 bore	Collar dia. 12 bore.ipt	Production	25mm Od. x 12mm Wide Steel A53	69
5.5.0	1	M10 screw hexagon head		Standard	M10 x 45mm long hexagon head	
5.6.0	1	M10 nut		Standard	M10 nut Type 5	
5.7.0	1	M12 washer		Standard	M8 washer Type 5	
5.8.0	2	Pulleys 75		Buy	75mm Od X 12mm bore v belt pulley Steel A53	
5.9.0	2	Pulleys 230		Buy	230mm Od X 12mm bore v belt pulley Steel A53	
5.10.0	4	Berings		Standard	Plain bering pilow blocks 12mm bore	
5.11.0	2	Shafts	Shafts.ipt	Production	160mm Od x 12mm rod Steel A53	70
5.12.0	4	Collars	Collar dia. 12 bore.ipt	Production	25mm Od x 12mm wire x 12mm bore Steel A53	71

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021		VERSION 1.0	
PART NAME Parts list			FILE NAME tpi_spm__sunflower-seeds-peeling-machine					POS B3	
DEVELOPED BY			REDESIGNED BY 		DOC. TYPE Parts list		MATERIAL		QUANTITY
Tropical Products Institute			OHO e.V.		LICENCE CC-BY-SA 4.0		SCALE		SHEET 6 /71

Parts list

POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
5.13.0	2	Belts		Buy	Sufficient to drive assembly 12.8mmx 12.7mm x 927mm-1110mm long.	

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Parts list		FILE NAME tpi_spm_sunflower-seeds_peeling-machine			POS B4
DEVELOPED BY Tropical Products Institute	REDESIGNED BY  OHO e.V.	DOC. TYPE Parts list	MATERIAL	QUANTITY	
		LICENCE CC-BY-SA 4.0	SCALE	SHEET 7 /71	