

[1]	Ref [2]		BEP [3]	# [4]	= [5]	Product	/ [7]	Component											
Made In:																			
	1	Xenoferrite Ore Rubble				Xenoferrite Ore Rubble													
	1	Technum Ore Rubble				Technum Ore Rubble													
	1	Ignium Ore Rubble				Ignium Ore Rubble													
	1	Telluxite Ore Rubble				Telluxite Ore Rubble													
	1	Mineral Rocks				Mineral Rocks													
	1	Water				Water													
	1	Biomass				Biomass													
Crusher I	40	Xenoferrite Ore				Xenoferrite Ore		0	Xenoferrite Ore Rubble										
Crusher I	40	Technum Ore				Technum Ore		0	Technum Ore Rubble										
Crusher I	40	Ignium Ore				Ignium Ore		0	Ignium Ore Rubble										
Crusher I	40	Telluxite Ore				Telluxite Ore		0	Telluxite Ore Rubble										
Crusher I	20	Xenoferrite-Ignium Ore Blend				Xenoferrite-Ignium Ore Blend		0	Xenoferrite Ore Rubble	0	Ignium Ore Rubble								
Crusher I	20	Advanced Xenoferrite-IgniumOre Blend				Advanced Xenoferrite-IgniumOre Blend		0	Xenoferrite Ore	0	Ignium Ore								
Crusher I	60	Ignium Powder				Ignium Powder		0	Ignium Ore Rubble										
Crusher I	5	Cement				Cement		0	Mineral Rocks	0	Xenoferrite Ore Rubble								
Crusher I	30	Gravel				Gravel		0	Mineral Rocks										
Advanced Smelter	40	Coked Ignium				Coked Ignium		0	Ignium Ore										
Blast Furnace	3600	Molten Xenoferrite				Molten Xenoferrite	0	Xenoferrite Ore	0	Coked Ignium	0	Mineral Rocks	0	Blast Furnace Slag					
Blast Furnace	3600	Molten Technum				Molten Technum	0	Technum Ore	0	Coked Ignium	0	Mineral Rocks	0	Blast Furnace Slag					
Greenhouse	2	Biomass				Biomass	0	Biomass	0	Mineral Rocks	0	Water							
	1	Blast Furnace Slag				Blast Furnace Slag													
Smelter (Small)	20	Xenoferrite Plates				Xenoferrite Plates		0	Xenoferrite Ore Rubble										
Smelter (Small)	20	Technum Rods	(32)			Technum Rods		-640	Xenoferrite Ore Rubble										
Assembler I	40	Machine Parts				Machine Parts		0	Xenoferrite Plates										
Assembler I	80	Wire Coil		8	640	Wire Coil		-320	Technum Rods										
Assembler I	20	Electronic Components		16	320	Electronic Components		-320	Technum Rods	-640	Wire Coil								
Smelter (Small)	12	Glass				Glass		0	Gravel										
Casting Machine	16	Concrete				Concrete	0	Cement	0	Gravel	0	Water							
Smelter (Small)	10	Steel Beams				Steel Beams		0	Xenoferrite-Ignium Ore Blend										
Assembler I	13.333	Advanced Machine Parts				Advanced Machine Parts		0	Machine Parts	0	Steel Beams								
Assembler I	30	Pipe				Pipe		0	Steel Beams										
	1	Crude Olumite				Crude Olumite													
	1	Waste Gas				Waste Gas													
Distillation Column	1125	Liquid Polymer				Liquid Polymer	0	Crude Olumite	0	Waste Gas									
Distillation Column	1350	Olumite Gas				Olumite Gas	0	Crude Olumite	0	Waste Gas									
Casting Machine	30	Polymer Board				Polymer Board	0	Liquid Polymer											
Chemical Processor	300	Olumic Acid				Olumic Acid	0	Ignium Powder	0	Olumite Gas	0	Water							
Assembler I	12	Circuit Board				Circuit Board	0	Polymer Board	0	Electronic Components									
Fluid Assembler I	12	Energy Cell				Energy Cell	0	Xenoferrite Plates	0	Electronic Components	0	Glass	0	Olumic Acid					
Distillation Column	1500	Low Density Olumite				Low Density Olumite	0	Crude Olumite	0	Waste Gas									
	1	Fimarlite Bar				Fimarlite Bar													
Electric Arc Furnace	10000	Liquid Fimarlite				Liquid Fimarlite	0	Fimarlite Bar											
Casting Machine	5	Fimarlite Sheet				Fimarlite Sheet	0	Liquid Fimarlite											
Assembler I	4	Robot Parts				Robot Parts		0	Fimarlite Sheet	0	Advanced Machine Parts	0	Electronic Components	0	Polymer Board				
Fluid Assembler	12	Hydraulic Piston				Hydraulic Piston	0	Steel Beams	0	Low Density Olumite									
Advanced Smelter	15	Telluxite Ingot				Telluxite Ingot	0	Telluxite Ore											
Electric Arc Furnace	2000	Liquid Telluxite				Liquid Telluxite	0	Telluxite Ingot											
Casting Machine	2.5	Telluxite Wafer				Telluxite Wafer	0	Liquid Telluxite											
Chemical Processor	4	CPU				CPU	0	Telluxite Wafer	0	Polymer Board	0	Olumic Acid							
Assembler I	120	Building Block				Building Block	0	Xenoferrite Plates	0	Technum Rods									
Assembler I	40	Conveyor I				Conveyor I	0	Xenoferrite Plates	0	Machine Parts									
Assembler I	2	Science Pack I				Science Pack I	0	Technum Rods	0	Machine Parts									
Assembler I	2	Science Pack II				Science Pack II	0	Conveyor I	0	Building Block									
Assembler I	1	Science Pack III				Science Pack III	0	Advanced Machine Parts	0	Concrete	0	Pipe							
Assembler I	1	Science Pack IV				Science Pack IV	0	Circuit Board	0	Energy Cell	0	Fimarlite Bar							
Assembler I	1	Science Pack V				Science Pack V	0	Robot Parts	0	Hydraulic Piston	0	CPU							

Made In:	Ref																			
	1	Xenoferrite Ore Rubble																		
	1	Technum Ore Rubble																		
	1	Ignium Ore Rubble																		
	1	Telluxite Ore Rubble																		
	1	Mineral Rocks																		
	1	Water																		
	1	Biomass																		
Crusher I	40	Xenoferrite Ore				-40	Xenoferrite Ore Rubble													
Crusher I	40	Technum Ore				-40	Technum Ore Rubble													
Crusher I	40	Ignium Ore				-40	Ignium Ore Rubble													
Crusher I	40	Telluxite Ore				-160	Telluxite Ore Rubble													
Crusher I	20	Xenoferrite-Ignium Ore Blend				-80	Xenoferrite Ore Rubble			-40	Ignium Ore Rubble									
Crusher I	20	Advanced Xenoferrite-Ignium Ore Blend				-80	Xenoferrite Ore			-40	Ignium Ore									
Crusher I	60	Ignium Powder				-12	Ignium Ore Rubble													
Crusher I	5	Cement				-10	Mineral Rocks			-5	Xenoferrite Ore Rubble									
Crusher I	30	Gravel				-10	Mineral Rocks													
Advanced Smelter	40	Coked Ignium				-16	Ignium Ore													
Blast Furnace	3600	Molten Xenoferrite	-480	Xenoferrite Ore		-360	Coked Ignium			-240	Mineral Rocks			360	Blast Furnace Slag					
Blast Furnace	3600	Molten Technum	-480	Technum Ore		-360	Coked Ignium			-240	Mineral Rocks			360	Blast Furnace Slag					
Greenhouse	2	Biomass	-1	Biomass		-1	Mineral Rocks			-250	Water									
	1	Blast Furnace Slag																		
Smelter (Small)	20	Xenoferrite Plates				-20	Xenoferrite Ore Rubble													
Smelter (Small)	20	Technum Rods				-20	Xenoferrite Ore Rubble													
Assembler I	40	Machine Parts				-40	Xenoferrite Plates													
Assembler I	80	Wire Coil				-40	Technum Rods													
Assembler I	20	Electronic Components				-20	Technum Rods			-40	Wire Coil									
Smelter (Small)	12	Glass				-60	Gravel													
Casting Machine	16	Concrete	-8	Cement		-16	Gravel			-80	Water									
Smelter (Small)	10	Steel Beams				-10	Xenoferrite-Ignium Ore Blend													
Assembler I	13.333	Advanced Machine Parts				-26.666	Machine Parts			-13.333	Steel Beams									
Assembler I	30	Pipe				-30	Steel Beams													
	1	Crude Olumite																		
	1	Waste Gas																		
Distillation Column	1125	Liquid Polymer	-1500	Crude Olumite		750	Waste Gas													
Distillation Column	1350	Olumite Gas	-1500	Crude Olumite		150	Waste Gas													
Casting Machine	30	Polymer Board	-150	Liquid Polymer																
Chemical Processor	300	Olumic Acid	-120	Ignium Powder		-562.5	Olumite Gas			-187.5	Water									
Assembler I	12	Circuit Board				-24	Polymer Board			-12	Electronic Components									
Fluid Assembler I	12	Energy Cell	-6	Xenoferrite Plates		-12	Electronic Components			-12	Glass			-120	Olumic Acid					
Distillation Column	1500	Low Density Olumite	-1500	Crude Olumite		375	Waste Gas													
	1	Firmarlite Bar																		
Electric Arc Furnace	10000	Liquid Firmarlite	-800	Firmarlite Bar																
Casting Machine	5	Firmarlite Sheet	-1250	Liquid Firmarlite																
Assembler I	4	Robot Parts				-8	Firmarlite Sheet			-4	Advanced Machine Parts			-16	Electronic Components			-8	Polymer Board	
Fluid Assembler	12	Hydraulic Piston	-12	Steel Beams		-360	Low Density Olumite													
Advanced Smelter	15	Telluxite Ingot	-60	Telluxite Ore																
Electric Arc Furnace	2000	Liquid Telluxite	-40	Telluxite Ingot																
Casting Machine	2.5	Telluxite Wafer	1000	Liquid Telluxite																
Chemical Processor	4	CPU	-8	Telluxite Wafer		-16	Polymer Board			-640	Olumic Acid									
Assembler I	120	Building Block				-72	Xenoferrite Plates			-48	Technum Rods									
Assembler I	40	Conveyor I				-40	Xenoferrite Plates			-20	Machine Parts									
Assembler I	2	Science Pack I				-16	Technum Rods			-20	Machine Parts									
Assembler I	2	Science Pack II				-12	Conveyor I			-24	Building Block									
Assembler I	1	Science Pack III				-5	Advanced Machine Parts			-12	Concrete			-4	Pipe					
Assembler I	1	Science Pack IV				-12	Circuit Board			-12	Energy Cell			-4	Firmarlite Bar					
Assembler I	1	Science Pack V				-2	Robot Parts			-6	Hydraulic Piston			-0.5	CPU					

[1] To see Alt Recipes, expand rows
(using + buttons on the left)

[2] Output per Building per Minute
(For alt recipes, look in D)

[3] Break-Even Point

[4] Number of Buildings
(Miners/Extractors instead use total)

[5] Gross Output per Minute

[6] Net Production per Minute

[7] Gross Input per Minute