

GRANULATION PROCESS EQUIPMENTS	<b style="font-size: 24px; margin-left: 10px;">GENEMA</b>
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<b>GENEMA-NextGEN150-Granulator</b>	<b>Rev:1</b> <a href="https://www.genemamachine.com">https://www.genemamachine.com</a>
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01	<b>DESCRIPTION:</b> Granulator machine for the granulation of the powder raw material fed under suitable conditions.	40	<b>ORIGIN:</b> 100% Türkiye
02		41	<b>BRAND:</b> GENEMA
03	<b>INPUT:</b> Powder	42	<b>MANUFACTURER:</b> Biofet Gübre ve Tarım Teknolojileri San. Tic. A.Ş.
04	<b>DESIRED OUTPUT:</b> 2-4 mm Granular Product	43	<b>ADDRESS:</b> Güllübağlar mah. Işıl Cad. No:9A Pendik-Istanbul/Türkiye
05	<b>SITE &amp; UTILITY DATA</b>	44	<b>OPERATION</b>
06	<b>LOCATION:</b> <input checked="" type="radio"/> INDOOR <input type="radio"/> OUTDOOR	45	<b>PROCESS:</b> <input type="radio"/> BATCH <input checked="" type="radio"/> CONTINUOUS
07		46	
08	<b>ELECTRICAL AREA CLASSIFICATION:</b>	47	<b>MATERIAL ENTERANCE:</b> Top-Hopper
09	CL.: GR.: DIV.:	48	
10	<b>AMBIENT TEMP.:</b> 45/10 (°C)	49	<b>FEED SPOUT:</b> 500*500 (mm)
11	(MAX / MIN)	50	
12	<input type="radio"/> WINTERIZATION REQ. <input type="radio"/> TROPICALIZATION REQ.	51	<input type="radio"/> DRY GRANULATION <input checked="" type="radio"/> WET GRANULATION
13		52	
14	<b>RELATIVE HUMIDITY:</b> Max. 70%; Min. 10%	53	<b>GRANULATION METHOD:</b> By means of mechanical arms connected to the central shaft
15		54	
16	<b>USAGE TYPE:</b> Pedestal Type/Countertop	55	<b>PROCESS CONTROL:</b> Adjusting the rotational speed of the central shaft via HMI.
17		56	
18	<b>SUPPORT STRUCTURE:</b> ST37 Steel	57	<b>DIRECTION OF THE ROTATION (FROM DRIVER):</b>
19		58	<input checked="" type="radio"/> CLOCK WISE <input type="radio"/> COUNTER-CLOCKWISE
20	<b>MATERIAL FEEDING:</b> Manual/GRF40	59	<b>EQUIPMENT</b>
21		60	<b>CONSIST:</b> Hopper, Body, Shaft, Support Structure, Gearmotor, Chimney, HMI
22	<b>OVERALL DIMENSIONS:</b> 5500*2800*2000(mm)	61	<b>BODY:</b> Anti-corrosive coated ST37/ST42 10 mm thickness
23		62	<b>BODY DIAMETER:</b> 1500 (mm)
24	<b>WEIGHT:</b> 5900 (kg)	63	<b>POSITION OF THE BODY:</b> Inclined
25		64	
26	<b>INPUT MATERIAL CONDITIONS</b>	65	<b>SHAFT:</b> ST37/ST42 central shaft
27	<b>INPUT MATERIAL FORM:</b> Powder	66	<b>ARMS &amp; STIRRERS:</b> ST37/42 Arms with detachable type manganese teeth stirrers
28		67	
29	<b>PARTICLE SIZE:</b> 500/1 (µm)	68	<b>CHIMNEY:</b> On-body process gas discharge chimney
30	(MAX / MIN)	69	
31	<b>BULK DENSITY:</b> 650-1300 (kg/m3)	70	<b>MOTOR</b>
32	(MAX / MIN)	71	<b>MANUFACTURER:</b> Yılmaz Redüktör-Türkiye
33	<b>MOHS HARDNESS:</b> < 3	72	<b>TYPE:</b> Reducer
34		73	<b>POWER:</b> 110 kW 3 phases/380V
35	<b>pH:</b> 6-8,5	74	<b>RATED SPEED:</b> 1500 (rpm)
36			
37	<b>MOISTURE CONTENT:</b> 30/18 (%)		
38	(MAX / MIN)		
39	<b>BINDER:</b> If required		

DIAGRAM

