

YUKEN

E U R O P E





IMAGE BEFORE



IMAGE AFTER

Chip Material Name	Cast Iron			
Chip Shape	Broken + Spiral			
Chip Forming Operation	Drilling + Milling			
Initial Chip Weight	0.67	Kg	670	gm
Initial Chip Volume	1	liter	1000	cm ³
Initial Chip Density	0.67	gm/cm ³	-	-
Changing Time	3	Seconds	-	-
No. of Charges	1		-	-
Cycle time	28	Seconds	-	-
Diameter of Briquette	70	mm	7	cm
Weight of Briquette	25.5	mm	2.55	cm
Height of Briquette	0.45	Kg	450	gm
Briquette Density	4.59	gm/cm ³	-	-
Approximate volume reduction	75%		-	-
Total Material Used in this Machine	- Total weight of chips = 15.5kg - Total weight of briquettes = 14.5kg - Coolant recovered = 0.9kg			
Observations	- Chips received in barrel - The chips are compacted without crushing - Chips in the compactor hopper maintained below the wing - Chips feeding to the compaction chamber is smooth and good - Briquettes have good bonding - Briquette is not breaking when it falls from machine chute to collecting bin - During drop test from 1mtr height briquette edge slightly distorted - Special type of photo sensor required to sense the chips			
Conclusions	- No need for crusher - Chip compaction & briquette bonding is good - Briquettes are formed as shown in the above photograph - For the above type chips the approximate machine output will be 54Kg/hr - Regular maintenance of parts is must as mentioned in the note - With above mentioned conditions machine shall be offered			

VOLUME OF CHIPS BEFORE COMPACTION	VOLUME OF CHIPS AFTER COMPACTION	OIL/COOLANT RECOVERED DURING COMPACTION

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IMAGE BEFORE



IMAGE AFTER

Chip Material Name	Aluminium			
Chip Shape	Broken + Powder			
Chip Forming Operation	Drilling + Milling			
Initial Chip Weight	0.48	Kg	480	gm
Initial Chip Volume	1	liter	1000	cm ³
Initial Chip Density	0.48	gm/cm ³	-	-
Changing Time	3	Seconds	-	-
No. of Charges	1		-	-
Cycle time	28	Seconds	-	-
Diameter of Briquette	70	mm	7	cm
Height of Briquette	33	mm	3.3	cm
Weight of Briquette	0.25	Kg	250	gm
Briquette Density	1.97	gm/cm ³	-	-
Approximate volume reduction	70%		-	-
Total Material Used in this Machine	- Total weight of chips = 15kg - Total weight of briquettes = 9kg - Coolant recovered = 5.5kg			
Observations	- Chips received in barrel - The chips are compacted without crushing - Chips in the compactor hopper maintained below the wing - Chips feeding to the compaction chamber is smooth and good - Briquettes have good bonding - Briquette is not breaking when it falls from machine chute to collecting bin - No problem in sensing chips by normal photo sensor - During drop test from 1mtr height briquette edge slightly distorted			
Conclusions	- Crusher not required - Chip compaction & briquette bonding is good - Briquettes are formed as shown in the above photograph - For the above type chips the approximate machine output will be 35Kg/hr - Regular maintenance of parts is must as mentioned in the note - With above mentioned conditions machine shall be offered			

VOLUME OF CHIPS BEFORE COMPACTION	VOLUME OF CHIPS AFTER COMPACTION	OIL/COOLANT RECOVERED DURING COMPACTION

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