



Lucas-TVS

COST REDUCTION PIN FORMING

COMMERCIAL
STARTER

Copper Yield Loss Reduction in 6M14 Conductor cross section

EXISTING

IMPROVED

CONDUCTOR CROSS SECTION

CONDUCTOR CROSS SECTION

4.32 x 2.2 (R 1.1)

4.22 x 2.1 (R0.5)

	EXISTING	IMPROVED	YIELD LOSS / ARMATURE
NOMINAL WEIGHT OF CONDUCTOR	22.405 grams	21.365 grams	26 grams
NOMINAL WEIGHT OF ARMATURE	560.125 grams	534.125 grams	

Annual savings is Rs. 59.90 lacs.



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Copper Yield Loss Elimination in M127 & SM50 Conductor Pin

	OVERALL LENGTH BEFORE	OVERALL LENGTH AFTER	COPPER YIELD LOSS ELIMINATION / ARMATURE	COST SAVING PER ANNUM
M127	310 mm	305 mm	16 grams	3.80 Lacs
SM50	418 mm	410 mm	8 grams	0.82 Lacs

Annual savings is Rs. 4.62 lacs.



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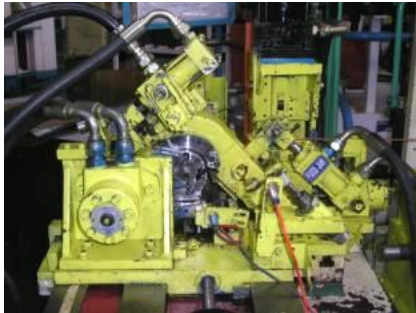
COST REDUCTION PIN FORMING

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Slug Elimination & Conductor Length Reduction in MARINE ,URSUS & HD10 3.6KW Pin Forming

EXISTING

Hyd. Pin forming machine



IMPROVED

AMECA Pin forming Machine



= NO SLUG

- MARINE , URSUS & HD10 3.6KW variety pin forming established in GRS4.5 KW AMECA machine

	OVERALL LENGTH REDUCED	COPPER YIELD LOSS ELIMINATION	COST SAVING PER ANNUM
MARINE & URSUS	10 mm	16 grams	0.74 Lacs
Hd10 3.6 kw	9 mm	14 grams	0.46 Lacs

Annual savings is Rs. 1.2 lacs.