

SCRAP BATTERY HANDLING

RECYCLING



GO GREEN

By
G.D.SHARMA



PRESENT BREAKING PROCESS

**BREAKING THE BATTERIES
BY HAMMER**



TAKING OUT MATERIAL



SEPARATING MATERIAL

SOLID LEAD PARTS 7%

BATTERY PLATES 82.5%

SEPARATORS 2.5%

PLASTIC CONTAINERS 8%

**DO WE
REALLY GET FULL
CONTENTS OUT OF
BATTERY SCRAP?**



PRESENT PICTURE OF OUR INDUSTRY



GO GREEN

CURRENT BREAKING PROCESS



TODAY'S UNAVOIDABLE SCENE

SOCIAL & ENVIRONMENTAL DRAWBACKS

- **UNAVAILABILITY OF LABOUR**
- **HARMFUL LEAD GASES EMISSIONS WHILE BREAKING BATTERIES**
- **LEAD CONTENTS IN HUMAN BODY STOPS HUMAN PRODUCTIVENESS**
- **POLLUTION CONTROLLING LAWS**

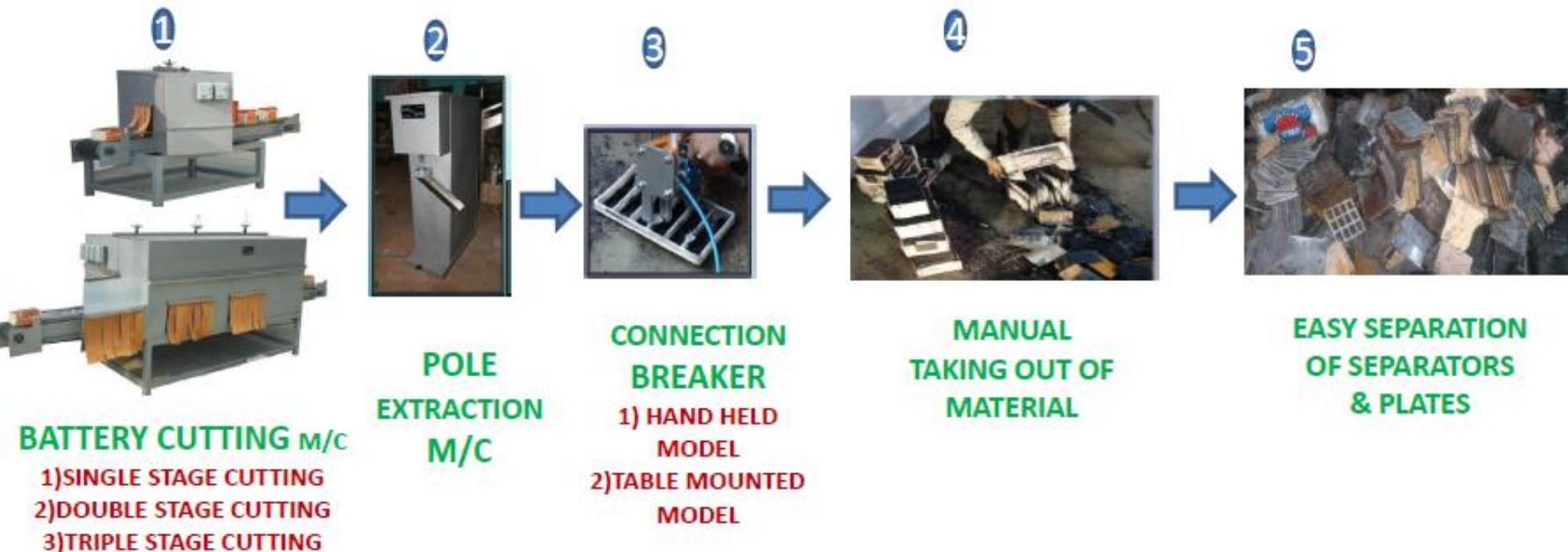
COMMERCIAL DRAWBACKS

- **UNAVAILABILITY OF LABOUR**
- **3% OF MATERIAL LOSS OF SOLID PARTS**
- **HARMFUL LEAD GASES EMISSIONS WHILE BREAKING BATTERIES**
- **INDULGES HUGE SPACE FOR STORING & BREAKING BATTERIES**
- **LIMITED WORKING CAPACITIES**
- **LESS PRODUCTION REDUCES MARGIN & CREATES UNSTABILITY IN BUSINESS**
- **INCREASES BUSINESS COMPETITION**

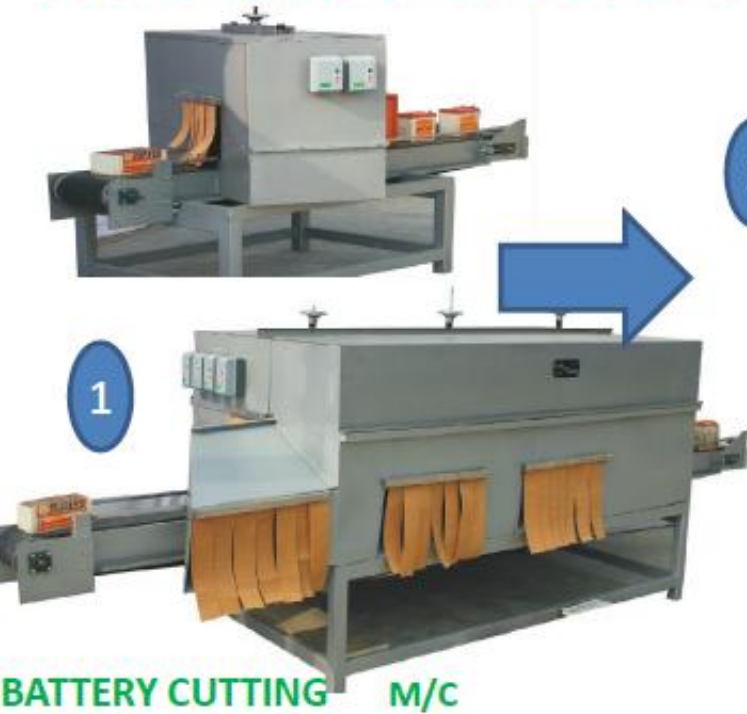


MODERNIZE BATTERY BREAKING SYSTEM

- STEP 1: PLACE BATTERY ON CONVEYOR, ON **BATTERY CUTTING M/C** .
- STEP 2: EXTRACT POLES ON **POLE EXTRACTION M/C** .
- STEP 3: BREAK CONNECTING JOINTS BY **CONNECTION BREAKER** .
- STEP 4: MANUALLY TAKE OUT THE BATTERY MATERIAL.
- STEP 5: SEPARATORS & PLATES CAN BE EASILY SEPARATED.



MODERNIZE BATTERY BREAKING SYSTEM



BATTERY CUTTING M/C

- 1) SINGLE STAGE CUTTING
- 2) DOUBLE STAGE CUTTING
- 3) TRIPLE STAGE CUTTING



POLE EXTRACTION M/C



CONNECTION BREAKER

- 1) HAND HELD MODEL
- 2) TABLE MOUNTED MODEL

4

MANUAL TAKING OUT OF MATERIAL



EASY SEPARATION OF SEPARATORS & PLATES



RESULT OUTCOMES OF BATTERY CUTTING M/c

- 1) TOP COVER SEPARATE
- 2) WELDED JOINTS ARE SEPARATE
- 3) SEPARATED PLATES CAN BE EASILY TAKEN OUT OF THE BATTERY



TECHNICAL DETAILS FOR ALL THREE TYPES OF BATTERY CUTTING MACHINE

MACHINE PARTICULAR DETAILS	1 STAGE	2 STAGE	3 STAGE
Production Capacity/ Shift	Upto 50 MT [7~10 Batteries/ Min]		
No. of Cutting Blades	1	2	3
Overall Area Reqd (L*B*H) In ft.	(7*4*6)	(8*4*6)	(17*4*6)
Life Of Each Blade	350MT		
After Resharpeneing Same Blade	50MT		
CUTTING SIZE/ AT A TIME	ONE SIZE	28AH ~ 200AH	28AH ~ 200AH & UPTO BATTERY HEIGHT OF 490MM
CUTTING STAGES AT A TIME	FROM ONE POSITION	FROM TWO POSITIONS: BELOW BATTERY COVER & UNDER THE PLATE CONNECTING STRIPS	CUT THE BATTERY FROM TWO SIDES OF ALL SIZES: BELOW THE BATTERY TOP COVER & UNDER THE BATTERY PLATE CONNECTING STRAPS, BATTERY SIZE ABOVE 200AH WILL CUT FROM THREE HEIGHT SIZE
Power Connection Reqd.[Kw./3Phase] 440Volts	4.5	8.5	12.5
Height Setting Guide Scales	2	3	4

RESULT OUTCOME OF POLE EXTRACTION M/c



EXTRACTED POLES FROM BATTERY COVER

2



RESULT OUTCOME OF CONNECTION BREAKER

3

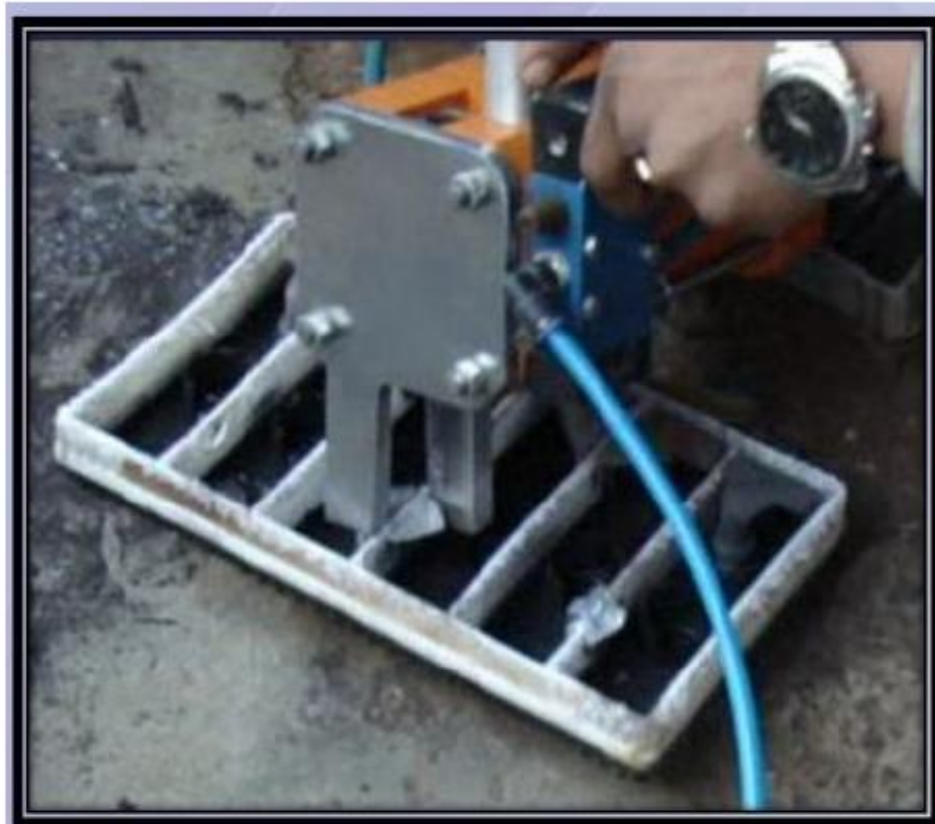


CONNECTION BREAKER

- 1) HAND HELD MODEL
- 2) TABLE MOUNTED MODEL



**BROKEN CONNECTION PARTS ARE
STORED IN A PLACE**



**SUPPLY SOURCE
FOR BOTH THE
MACHINE IS
AIR COMPRESSOR 3HP.**





4

**MANUAL TAKING
OUT OF MATERIAL**

5

**EASY SEPARATION OF
SEPARATORS & PLATES**



**NOW
AVOID
THIS**



GO WITH ECO FRIENDLY WAY



GO GREEN





THANKING YOU

G.D.SHARMA