



**NS2020 NEWPORT**  
**NON SHEARING OIL FILTER PROCESSOR**  
**UNITED STATES PATENTED**

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# Newport STEELinc. OIL FILTER PROCESSING EQUIPMENT

**THE NEWPORT OIL FILTER PROCESSOR WILL PROCESS 7 – 55 GAL. DRUMS OF USED OIL FILTERS PER HOUR OR 56 DRUMS PER 8 HOUR SHIFT FAITHFULLY.**

**THIS WILL AVERAGE 10,000 LBS. OF BRICKS PER DAY. THE AVERAGE OUTPUT OF OIL WILL VARY DEPENDING ON THE FEED. HISTORICALLY THE NS2020 WILL PRODUCE 750 GALS. OF OIL PER 40 HOUR WEEK.**

**UNLIKE OTHER PROCESSORS THE NS2020 NEEDS NO SORTING OF THE MATERIALS THAT ARE FED INTO IT, THEREFORE IT REQUIRES ONLY ONE OPERATOR.**

**THE SAFETY FEATURES INCORPORATED IN THIS MACHINE GUARANTEE THAT IT CANNOT MECHANICALLY INJURE ITSELF. IF INJURIOUS MATERIALS ENTER THIS MACHINE IT WILL TURN ITSELF OFF, AND THE APPROPRIATE ALARM ON THE CONTROL PANEL WILL TELL YOU WHAT THE PROBLEM IS.**

**THE ENTIRE RECIPROCATING FEED TRAVELS ON TWO BRASS SHEAR PINS WHICH TAKE APPROXIMATELY 5 MINUTES TO REPLACE. ALL REPLACEMENT PARTS ON THE NS2020 ARE (SHELF ITEMS). THE BIG FACTOR HERE IS, THAT AFTER YEARS OF SERVICE THE NEWPORT PROCESSOR WAS BUILT TO BE REBUILT AT A LOW COST.**

# NS2020 NEWPORT

## NON SHEARING OIL FILTER PROCESSOR



**THE RECIPROCATING FEED SYSTEM ON THE NS2020 DELIVERS A PREMEASURED VOLUME OF FILTERS DIRECTLY INTO THE PRESS CHAMBER ON EVERY CYCLE. IT HAS NO SHEAR BLADES TO CHIP OR DULL.**

# **NS2020 NEWPORT**

## **NON SHEARING OIL FILTER PROCESSOR**

**ALTHOUGH THE NS2020 NEWPORT IS SPECIFICALLY WARRANTED FOR THE PROCESSING OF USED OIL FILTERS, ITS NON SHEARING OPERATION USUALLY ELIMINATES THE NEED FOR SORTING OTHER DEBRIS NORMALLY FOUND IN COLLECTION CONTAINERS.**

- NO SHEARING**
- NO JAMMING**
- SMALL, MEDIUM AND DIESEL FILTERS**
- 1 1/2 HOUR UNATTENDED RUN TIME**

# NS2020 NEWPORT

## NON SHEARING OIL FILTER PROCESSOR

- AUTOMATIC OPERATION
- MULTI AXIS COMPACTION
- OIL CAPACITY – 500 GAL.
- FEED HOPPER CAPACITY- 10 DRUMS
- PRODUCTION – 7 (55 GAL.) DRUMS HOUR
- AVERAGE BRICK 5 x 8 x 8 1/2
- 20 H.P. MOTOR
- ALL INTERNAL SURFACES LINED WITH WEAR PLATES





# **PROCESSED BRICK FROM THE NS2020 NEWPORT NON SHEARING OIL FILTER PROCESSOR**

- **AVERAGE SIZE  
5 x 8 x 8 1/2**
- **BRICK DENSITY  
APPROX.  
178LBS./CU. FT.**
- **BRICK WEIGHT  
RANGE  
35-40 LBS.**
- **56 STANDARD OR  
12 DIESEL FILTERS**



**NON SHEARING MEANS LESS DEBRIS**

# RETURN ON INVESTMENT

## NS2020 NEWPORT

### NON SHEARING OIL FILTER PROCESSER

**PRODUCTION:**

7 - 55 GAL. DRUMS/HOUR

METAL - APPROXIMATELY 10,000LBS./8- HOUR

OIL - AT 86% VOLUME REDUCTION WITH  
NON SPONGING CYCLE

**LABOR:**

SINGLE OPERATOR REQUIRED

**MAINTENANCE:**

PERIODIC DEBRIS REMOVAL FROM SUMP  
SHEAR PIN REPLACEMENT AS REQUIRED

**LONGEVITY:**

BOLTED CONSTRUCTION FOR FUTURE  
REFURBISHING

# HYDRAULIC LOADER

- 55 GALLON DRUMS
- 4' CUBE CONTAINERS
- EXTENDS UNATTENDED RUN TIME TO 2 HOURS





# ACCESSORIES

## CREATE A COMPLETE HANDS-OFF SYSTEM FOR THE NS2020 NEWPORT NON SHEARING OIL FILTER PROCESSOR

- AUTOMATIC LOADING
- AUTOMATIC DISCHARGE
- AUTOMATIC SCRAP DUMPING
- LABOR SAVING
- PROFITABLE

# SELF-DUMPING DRAIN BOX

- 4 HOUR CAPACITY
- 60 GALLON SUMP
- SELF DUMPING



- EASY CLEAN SUMP ACCESS
- PRESS EJECTS BRICKS DIRECTLY INTO BOX

# NS2020 NEWPORT

## NON SHEARING OIL FILTER PROCESSOR SPECIFICATIONS

**CONSTRUCTION:** BOLTED COMPONENTS INCLUDING:  
3/8" THICK T-1 WEAR PLATE SIDES  
T-1 WEAR PLATED BASE  
T-1 WEAR PLATED RAMS  
WEAR PLATES ON DOOR ASSEMBLY  
BRASS SHEAR PINS ON FEED ASSEMBLY

**ELECTRICAL:**  
20 HP 3-PHASE MOTOR 50HZ AVAILABLE  
240/480 VOLTS  
24 VOLT CONTROLS  
AUTOMATIC PLC (PROGRAMMABLE LOGIC CONTROL) OPERATION WITH NON-SPONGING CYCLE  
INTERNAL LIMIT SWITCHES MOUNTED INSIDE MAIN COMPACTION HYDRAULIC CYLINDER

**HYDRAULICS:**  
3000 PSI OPERATING PRESSURE  
15 GPM PRESSURE COMPENSATING PISTON PUMP  
60 GAL HYDRAULIC OIL RESERVOIR WITH LOW OIL ALARM  
7" INSIDE DIAMETER VERTICAL PRE-PRESS CYLINDER WITH PRESSURE RELIEF VALVE 115,000 LBS. FORCE  
10" INSIDE DIAMETER HORIZONTAL MAIN COMPACTION CYLINDER 235,000 LBS. FORCE  
3" INSIDE DIAMETER HORIZONTAL DOOR CYLINDER  
DEBRIS SENSOR FOR RECIPROCATING FEED  
ALL OPERATIONAL INFORMATION IS LISTED ON THE MACHINE AT THE OPERATOR'S STATION.

**PRODUCTION:** SEVEN - 55 GAL. DRUMS/HOUR  
METAL - APPROX. 10,000 LBS. /8 HOURS  
OIL - 86% VOLUME REDUCTION

**LABOR:** SINGLE OPERATOR

**MAINTENANCE:** PERIODIC DEBRIS REMOVAL FROM SUMP

**LONGEVITY:** BOLTED CONSTRUCTION FOR FUTURE REFURBISHING

**THANK YOU!**

Newport  
 **STEEL**inc.

OIL FILTER PROCESSING EQUIPMENT