



# HELLE SAWMILL EQUIPMENT

Mfg. by Sawmill Hydraulics, Inc.

23522 W. Farmington Rd.

Farmington, Illinois 61531

Call: 1-800-245-2448 Fax: 309-245-5126



## Ahead In Design And Engineering

- ✓ Live Deck: Standard & Heavy Duty
- ✓ Carriages: 36", 40", 48", 60" Openings
- ✓ Overhead End Dogging Scragg Mill
- ✓ Hydrostatic Feedworks: 40, 60, 75, & 100HP
- ✓ Vertical Edger: 2, 3 and 4 Saw
- ✓ Model B, C and D Log Turners
- ✓ End Trimmers: 2, 3, 4, 5 Saw
- ✓ Shaving Mills - Box & End Dogging
- ✓ Computerized Setworks
- ✓ **Custom Built Sawmill Machinery**
- ✓ Rebuilt And Used Equipment
- ✓ And Much, Much More

## The Leader In Sawmill Technology

Visit Us Online For  
More Product  
Information,  
Movies, Used  
Equipment Listings &  
Equipment Manuals:  
[www.4HELLE.com](http://www.4HELLE.com)



# HELLE CARRIAGES

## STANDARD MODEL

36" and 40"



- Digital Display Standard
- Clock Face Optional
- Oil Cooler and Heater Standard
- Computerized Setworks Standard on ALL Carriages
- Free Standing Hoses
- All Valves Interchangeable
- Non-arching Tong Dogs with CONSTANT Pressure when in the Log
- **HELLE** Log Flipper Optional
- 2" Hex Axles Standard
- Top & Bottom Dogs TAPER with the dogs, NOT with the knees
- Tapers Are 4" Standard - 8" Optional
- Nylon Wheels Standard

**HELLE** Sawmill Equipment

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Equipment may vary from what is pictured.

# HELLE CARRIAGES

**HEAVY  
DUTY  
48" and 60"**

- Digital Display Standard
- Clock Face Optional
- Oil Cooler and Heater Standard



- Computerized Setworks Standard on ALL Carriages
- Free Standing Hoses
- All Valves Interchangeable
- Non-arching Tong Dogs with CONSTANT Pressure when in the Log
- **HELLE** Log Flipper Optional
- 2-1/2" Hex Axles Standard
- Top & Bottom Dogs TAPER with the dogs, NOT with the knees
- Tapers Are 8" Standard
- Nylon Wheels Optional
- Non-arching Tong Dogs with CONSTANT Pressure when in the Log

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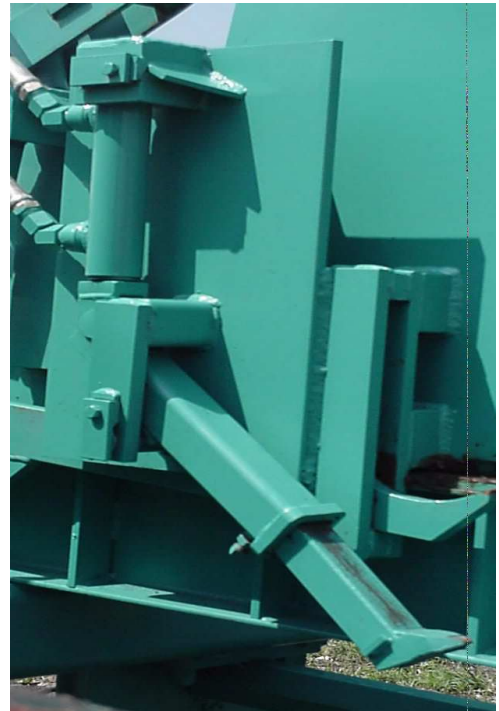
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# HELLE CARRIAGE OPTIONS

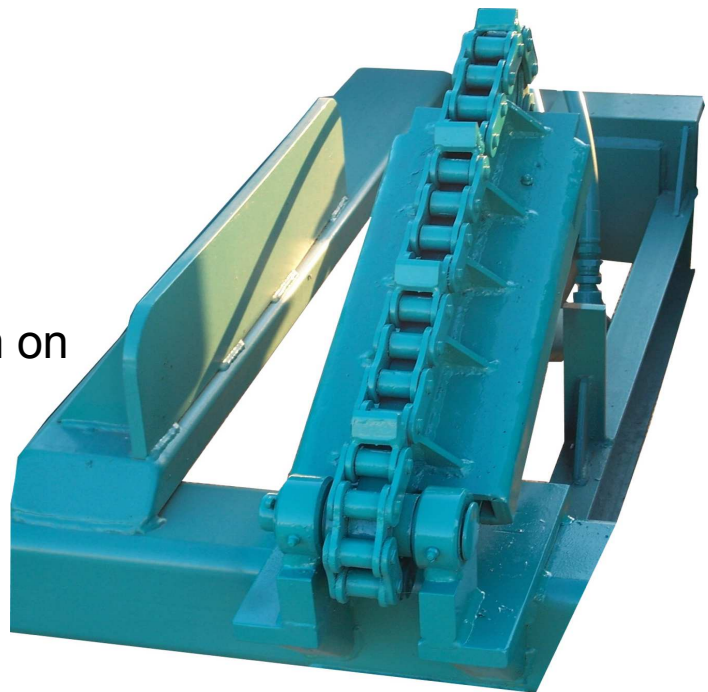
## CANT KICKER

- Air or Hydraulic
- Comes With Valve and Hoses Going to The Cylinder
- Turns Small and Large Logs
- Works Great With The HELLE Log Turner



## FLIPPER

- Unique **Helle** Flipper Original Design
- One Push Button, Turns Them on The Fly
- One Cylinder Operation for Minimal Maintenance
- Works on Small & Large Logs



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# HELLE CARRIAGE OPTIONS

## LOG LEVELERS

- \*Original HELLE Design
- \*Allows The Sawyer To Cut The Vertical Taper
- \*A Must With A Vertical Edger
- \*Can Be Installed At Either End or Both



## HAMMER DOG

- \*"Sawyer's Security Blanket"
- \*Designed For Holding Difficult, Knotty Logs
- \*ONE Button Operation
- \*Automatic Release ONE Inch From The Sawline



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# HELLE NETWORKS

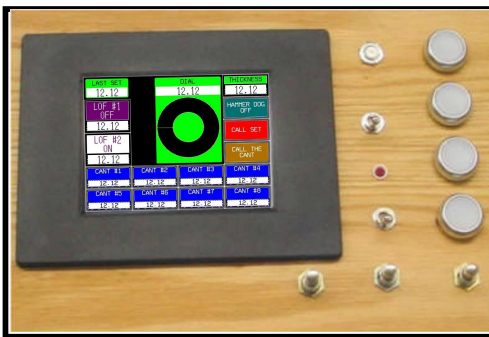
Sawmill Hydraulics has designed and perfected three different networks systems adaptable to all hydraulic and electric drive networks.

One is right for your existing sawmill carriage!

## All networks feature:

- 18 gauge COLOR CODED wiring
- Pistol grip control handle.
- 90 day warranty
- ALL SETS ADJUSTABLE FROM THE SAWCAB!!
- Built and serviced by a company that has been in business for over 40 years
- Threaded connectors on all cables, NO solder joints
- 10 ampere circuit breaker
- Can be adapted to either electric or hydraulic set shaft drives.
- Remote Log In Capability

## SAWTECH



8 Sets - 8 Stack and Fill patterns - 8 Call Positions - 2 Memories  
Shim In/ Shim Out

Automatic Compensation for temperature and wear

COLOR Touch Screen Operation

Entire system sits in one box in front of the operator.

Feedback device is a small rugged rotary encoder.

\*Our competition uses a fragile, expensive Temposonic Rod\*

## HELLE-TECH II



Like the Helle Cam Limit system without the Cam Assembly  
Uses the same encoder as above.

Has 8 Sets and also adjusts from the sawcab.

Has a 2 line display that shows knee position and last set.

Also compensates for temperature and wear.

Slow Jog (Hydraulic Units)

**We also build  
networks for  
Resaws, Trimmers,  
Scraggs and other  
Sawmill Equipment**

*Got an air carriage? Call us  
today for hydraulic power units  
and set shaft drive motors!*

**NEED MORE FEATURES? CHECK OUT TOTAL-TECH**

## HELLE Sawmill Equipment

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# HELLE NETWORKS

Sawmill Hydraulics has designed and perfected three different networks systems adaptable to all hydraulic and electric drive networks.

One is right for your existing sawmill carriage!

## TOTAL-TECH



### All The Features of SAWTECH

- 8 Sets
  - 8 Stack and Fill patterns
  - 8 Call Positions
  - 2 Memories
  - Shim In/ Shim Out
  - Automatic Compensation for temperature and wear
  - COLOR Touch Screen Operation
  - Remote Log In Capability
  - Entire system sits in one box in front of the operator.
  - Feedback device is a small rugged rotary encoder and a rugged bar transducer on the edger saws
- \*Our competition uses a fragile, expensive Temposonic Rod\*

### TOTAL-TECH HAS ALL OF THAT PLUS:

- 2 MBOF (Modified Best Opening Face)- Automatically sets the carriage and vertical edger for your preset board width.
- 4 SETS FOR EACH BLADE- Sets the vertical edger blades either from the headblock or the other blade.
- AUTO SAW- Simplifies the operation of the networks and allows the vertical edger to track the carriage.
- DROP AND GO / MASTER ALL CLEAR- Automatically drops the cant when done and opens up the carriage, dogs, tapers and vertical edger for the next log.
- RECORDS- Reports at the end of the day the number of sets done during the day by thickness.

## HELLE Sawmill Equipment

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# HELLE SHAVING MILLS

## BOX SHAVER 5' Model and 8' Model



The **HELLE** Box Shaver features:

- **HELLE** Cylinder Control On Box Motion
- 50 HP Per Knife
- 5' Model Has 2 Knives
- 8' Model Has 3 Knives
- Approximately 35-40 Cubic Yards Per Hour on 5' Model
- Approximately 50-55 Cubic Yards Per Hour on 8' Model
- Pressure Compensated Pump
- **HELLE** Belt Conveyor Outfeed

**HELLE** Sawmill Equipment

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# HELLE SHAVING MILLS

**End Dogging Model  
7' to 20' Capacity**



- Knife Cutter Heads
- 50 HP Per Head
- Equidistant Head Control
- Independent Log Cradle Control
- 40 HP Hydrostat Feed
- **HELLE** Computerized Setworks
- **HELLE** Sawdust Drag Chains For Shavings Removal
- Includes Operators Cab With Electric Over Hydraulic Control!

**PROCESS LOGS  
INTO SHAVINGS  
AND TIES, CANTS  
OR MATT TIMBERS!**

**HELLE** Sawmill Equipment

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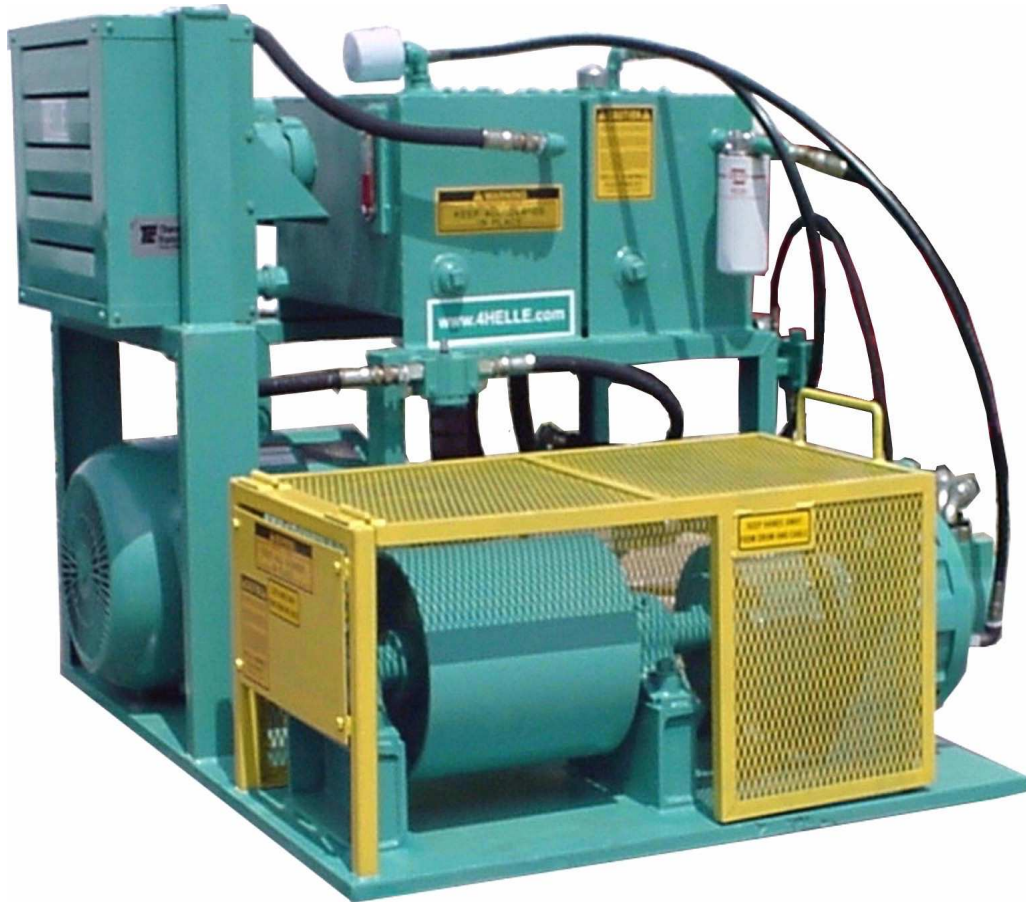
**1-800-245-2448**

**[www.4HELLE.com](http://www.4HELLE.com)**

Equipment may vary from what is pictured.

# HELLE FEEDWORKS

## 40 HP HYDROSTAT



- **HELLE** Feeds use only the latest in Modern technology!
- Auxiliary Pump For Live Deck & Log Turner Included.
- Heavy Duty Drum Assembly with 100 Roller Chain Coupling
- Electric Remote Control is Standard
- Totally Enclosed Motor
- 5/8" Cable

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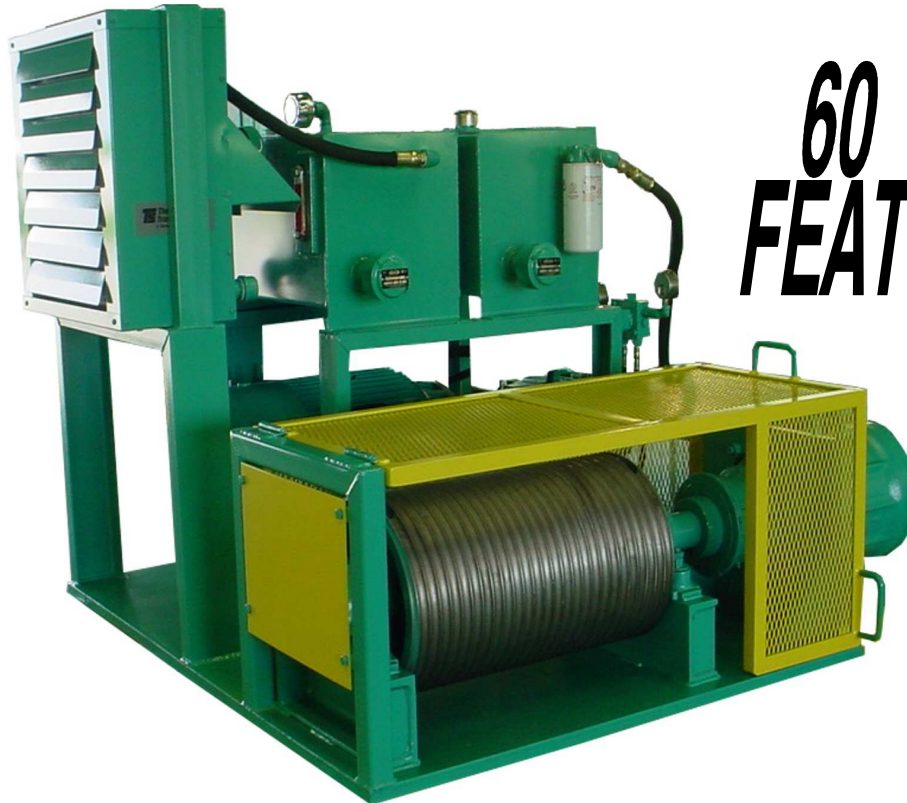
**1-800-245-2448**

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# HELLE FEEDWORKS

HYDROSTAT 60 HP, 75 & 100 HP



**60 HP  
FEATURED**

- **HELLE** Feeds use only the latest in Modern technology!
- Eliminates Roller Chain Drive
- Heavy Duty Drum Assembly
- Direct Coupled Motor to Drum
- Electric Remote Control is Standard
- Grooved Spiral Drum for Extended Cable Life
- Totally Enclosed Motor
- 3/4" Coated Cable
- Auxiliary Pump for Live Deck and Log Turner Included

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# HELLE LOG TURNER

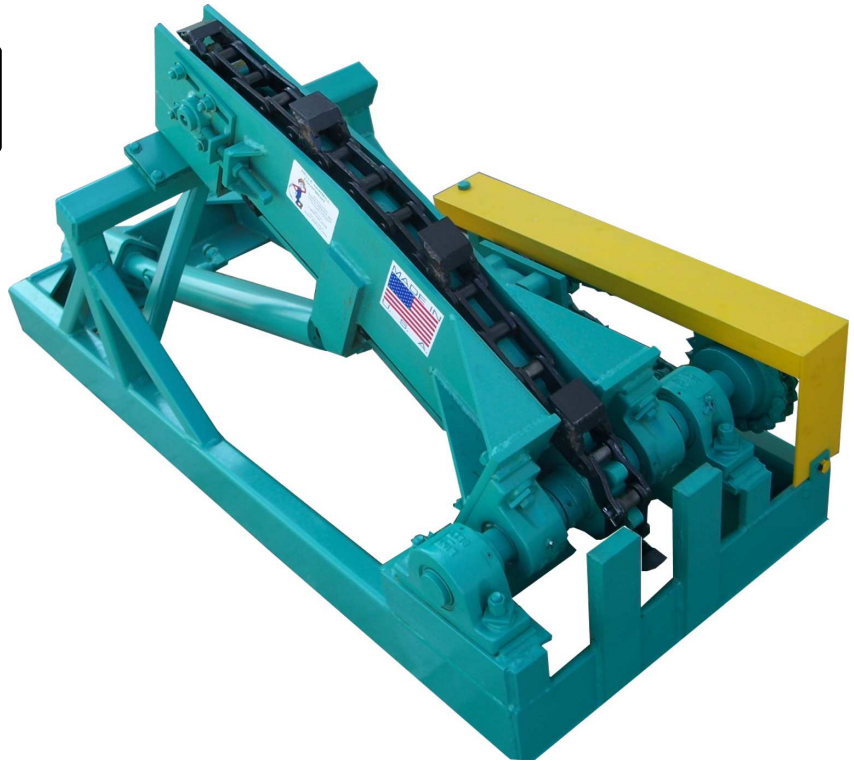
## MODEL B

FAST

COIL SPRING  
RETURN

EASY ON YOUR  
CARRIAGE

FOR CARRIAGES  
36' OPENING &  
SMALLER



## MODEL C

FAST

MORE TORQUE FOR  
CARRIAGES UP TO  
48" OPENING

COIL SPRING  
FLOATS THE HEAD



ALL HELLE TURNERS FEATURE HYDRAULIC MOTOR DRIVE!  
NO GEARBOXES!

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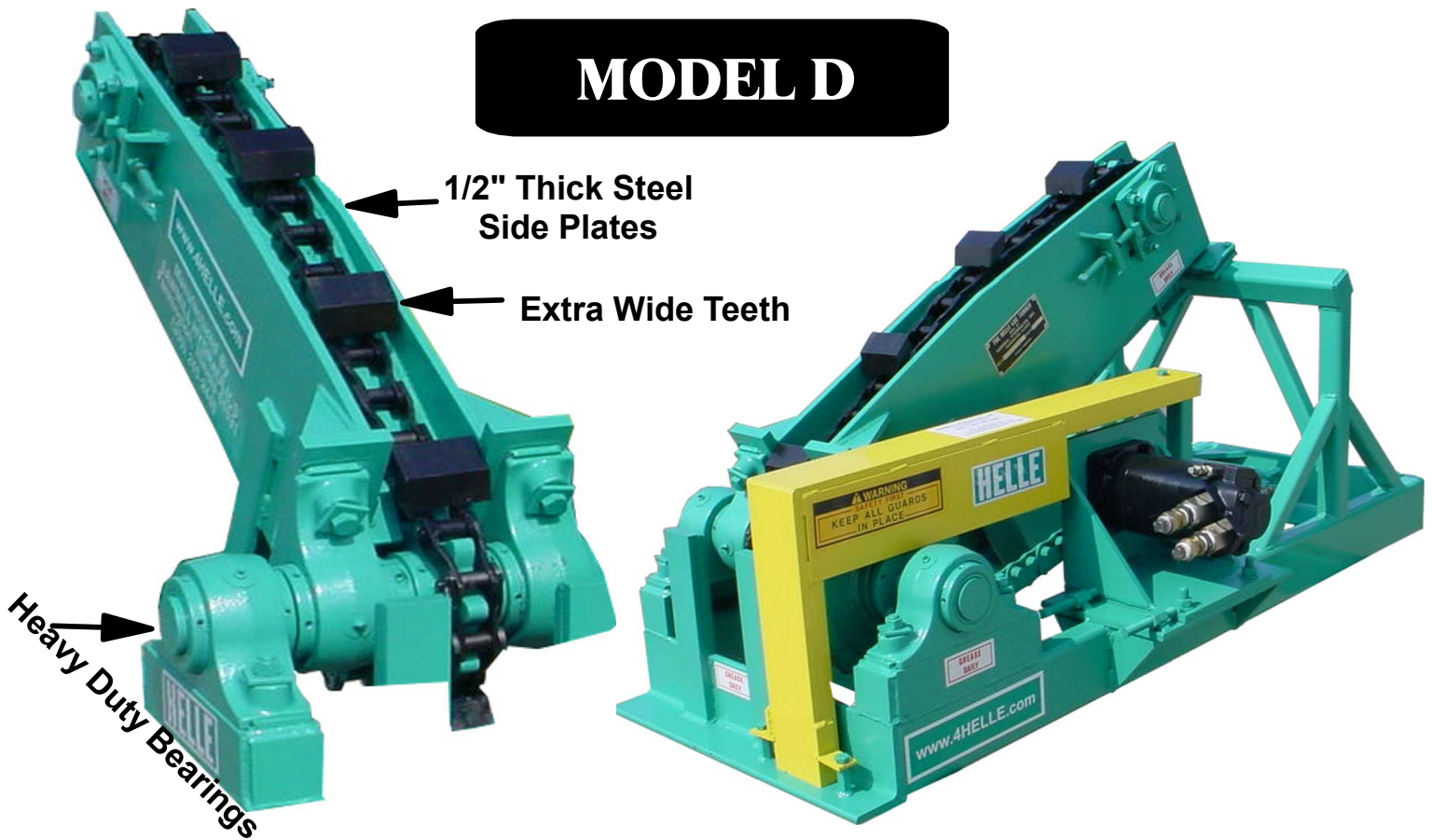
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# HELLE LOG TURNER

## MODEL D



### The Monster:

- Has Over 8000 lbs Lift and 5000 lbs Push
  - Electric Remote Package Available
    - Heavy Duty Drive
  - Double the Power Of Most Turners
    - Coil Spring Floats The Head
- Hydraulic Drive, NO GEARBOXES!!!

### Other Models Available

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# HELLE LOG TURNER JOYSTICK

In response to customer requests, we developed an electrical joystick control package for the HELLE Log Turners. It consists of the following:

- - Joystick assembly in the Sawcab
- - Valve Bank to mount under the saw cab or live deck
- - Interconnecting Cable
- Two - 3/4" Hoses from Hydraulic Pumping Unit
- 1/2" hoses to each device
  - \* Turner Motor
  - \* Turner Cylinder
  - \* Deck Motor
  - \* Deck Cylinder
- The Valve Bank is clearly labeled and if your equipment runs backward, all you need to do is reverse two hoses!!
- The Two Valve Package runs the turner.
- The Four Valve Package runs the turner and deck. Includes a foot pedal which makes the joystick become the turner and deck controls!



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# HELLE SCRAGG MILL

**COMPLETE MILL  
8' X 40' LONG**

**OVERHEAD END DOGGING REALLY PUMPS  
OUT THE TIES, CANTS AND FLITCHES  
HIGH PRODUCTION OF THE PRODUCTS  
THAT ARE IN BIG DEMAND**

**SCANNING  
SYSTEM  
AVAILABLE!!!**

**IT COSTS NO MORE  
TO OWN THE VERY  
BEST!**

**Now Available with  
Vertical Edgers!**



→ Fast processing of logs 8ft to 20ft

- Diameters 6" to 24"
- All Electric over Hydraulic controls:
  - NO MANUAL VALVES.
  - NO OIL LINES TO THE SAW CAB
  - NO NOISE IN THE CAB!
- Self contained hydraulic system on the carriage - no pantograph.
- Computer Controlled Setworks giving the control and accuracy to cut grade off BOTH sides, in one pass!
- Superior design in clamping and positioning to give you the BEST in control.
- Two Direction Cant Transfers and Drop Belt for fast reliable sorting and transferring of the finished product and slabs.



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# HELLE TRIMMERS

## 2, 3, 4, 5 SAW MODELS

2 Saw Model Pictured



- 2, 3, 4 or 5 Saws Available With Independent Control
- Unique 2 To 1 Drive Keeping Support Bunk Centered
- Two Speed Control On The Feed Chains
- 10 HP TEFC Motors Driving 1-15/16" Mandrels
- 22" Carbide Saws For 7-1/2" Depth Of Cut (Larger Saws Available)
- Swing Away Guards With Anti-Kickback Fingers
- "Pop Up" Saw Option For EACH SAW!

- "6 Point" Locking Collar Bearings
- 5 HP Hydraulic System on 2 Saw, 10 HP on 5 Saw
- #80 Feed Chains
- **Computer Accuracy On Setworks**
- Dual Amphenol Connections On All Cables
- Stationary Saw Can Be At Either End
- Rugged Tubular Steel Construction
- SCRAP BELT OPTIONAL

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# HELLE VERTICAL EDGER

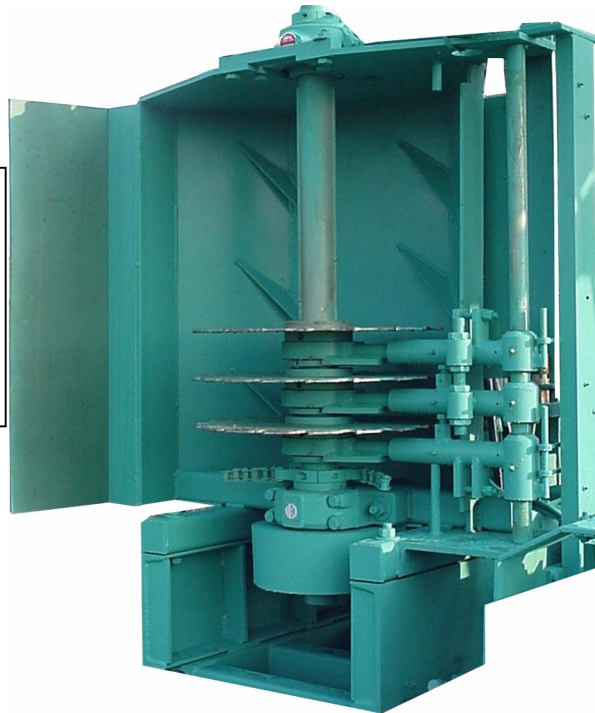
EDGES THE BOARD BEFORE IT BECOMES A BOARD  
PRODUCES STRAIGHT ACCURATE LUMBER

**30HP = 2 SAW**

**40HP = 3 SAW**

**75HP = 4 SAW**

**SPLIT  
SAWS  
AVAILABLE**



## ALL HELLE EDGERS HAVE:

- Automatic Setworks
- Electric over Hydraulic Control
- Type "DI" Double Roller Bearings
- 2-15/16" Double 5/8 Keyed Mandrel
- HELLE Built Shifting Cylinders
- 5 HP Hydraulic System
- 22" Saw With 9" Slab Clearance

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# HELLE TOPSAW



- 2 - 3/16" MANDREL WITH 6" COLLAR FOR 42" SAW BLADES
- ALL STEEL TOP SAW GUARD (to protect the roof)
- 30 HP MOTOR STANDARD WITH UNIQUE NOTCHED BELT DRIVE
- TUBULAR STEEL CONSTRUCTION PROVIDES STRENGTH WHERE NEEDED
- ADJUSTABLE IN FOUR DIRECTIONS FOR ACCURACY
- ALL STEEL SAWGUIDE

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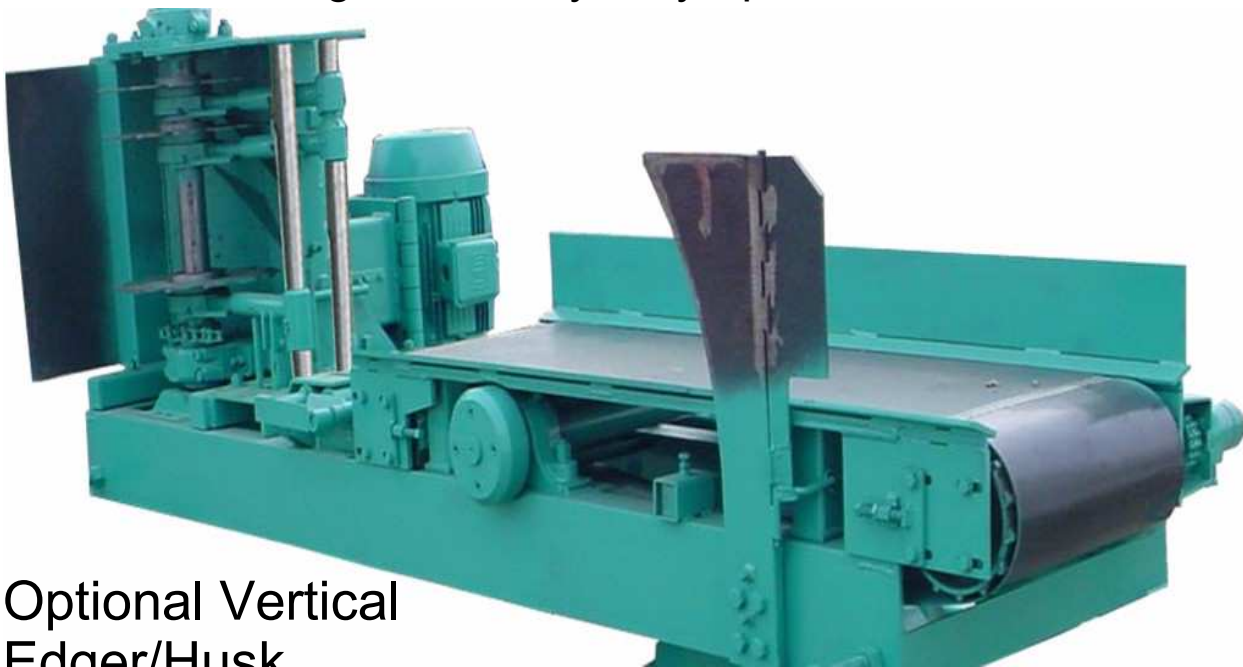
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# HELLE HUSK AND OFFBEARERS

- Heavy Duty Ship Channel Construction
- All-Steel Sawguide with Unique **HELLE** Remote Control
- Famous **HELLE** "Winged Splitter" Lays the Board Down
- 2-15/16" Turned, Ground and Polished Mandrel
- 8" All Steel Collar, Heat Shrunk and Welded
- Type "E" Bearings For EXTRA Long Life
- 24" wide **HELLE** "Under The Bearing" Offbearer
- 8" Diameter Drive Rolls with Unique **HELLE** Pattern
- 1-3/4" Shaft Flange Block Bearings
- PVC Belting with Heavy Duty Splice



Optional Vertical  
Edger/Husk  
Combo Pictured

Available with 100, 125, 150,  
200 and 250 HP Drives!!!!

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# HELLE SAWYER'S BOOTH

Sawmill Hydraulics Inc. offers TWO different models of Sawyer's booth to accommodate the sawyer, DELUXE and STANDARD.

- The STANDARD Sawyer's Booth features a 4 x 5 foot floor.
- The DELUXE Sawyer's Booth features a 5 x 7 foot floor.
- Both have a 20 degree angle tip out that reduces glare
- They are pre-wired at the Factory.
- For sound reduction, there is a unique insulation.
- An upper shelf is also included for the Sawyer's personal belongings.
- Air conditioner and Heater are standard.



Deluxe Cab Pictured

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# HELLE BELT CONVEYORS

**From 4" Wide Belt to 60" Wide Belt**

- Constructed of Rugged Channel Iron
  - 3/8" Bottom Plates
- 5" Rollers with a Specially Designed Helle Pattern available
  - 8" Drive Rollers For Lengths Over 30 feet
- Hydraulic Drive Is Standard & Electrical Is Optional
  - (Note: Hydraulic Drive Requires A Pumping Unit)
    - PVC Belting With Heavy Duty Splice
    - Rough Top Belting Is Optional
  - Upper Load Bearing Rollers For Heavy Cants
  - Lower Belt Return Rollers For Longer Belt Life



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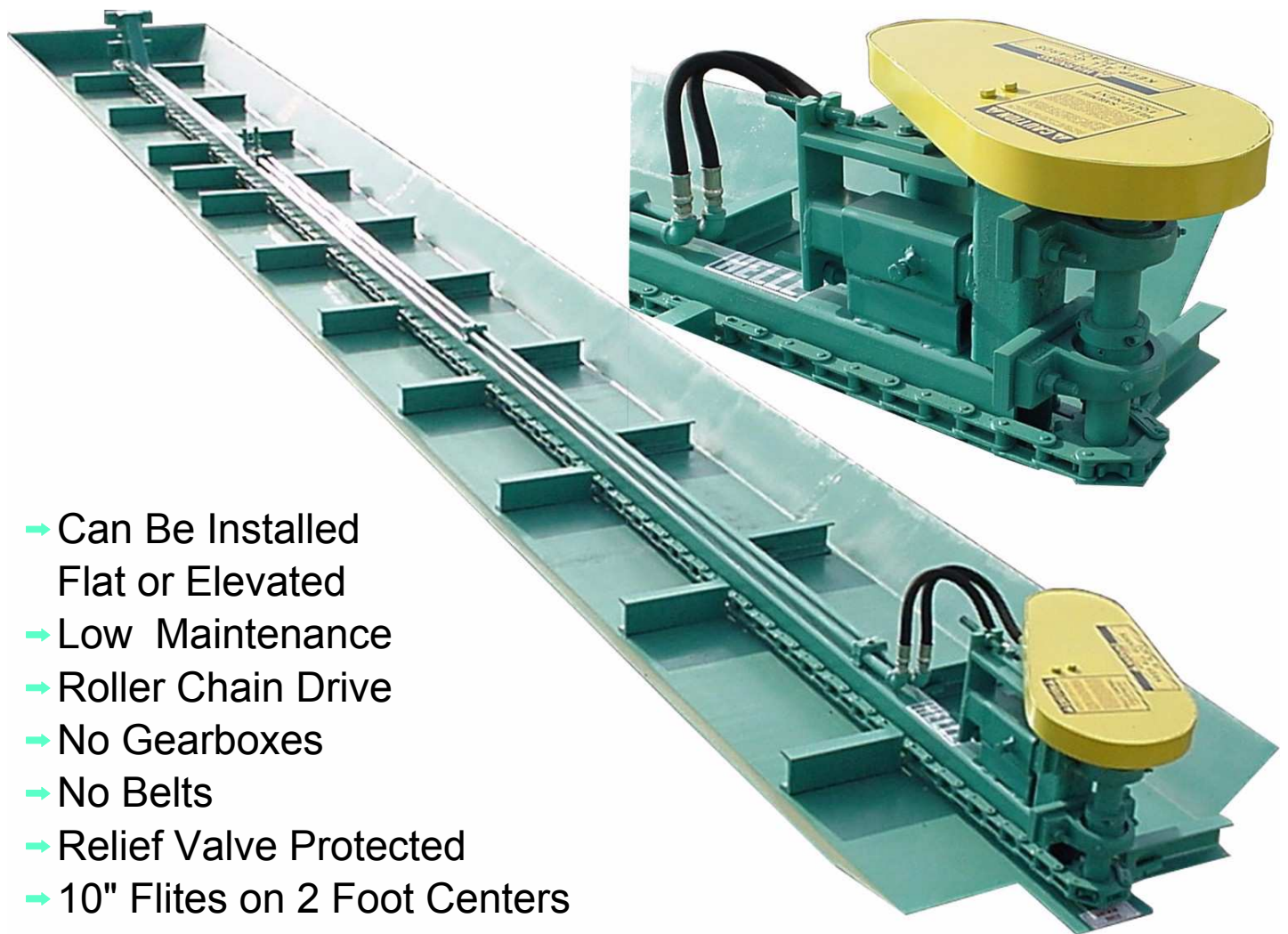
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# SAWDUST DRAG CHAIN

→ Extended Life Hydraulic Motor



- Can Be Installed Flat or Elevated
- Low Maintenance
- Roller Chain Drive
- No Gearboxes
- No Belts
- Relief Valve Protected
- 10" Flites on 2 Foot Centers
- Reinforced with a Tubular Steel Center Beam
- Heavy Steel Bottom and Flare Sides (one piece)
- Designed To Run From The HELLE Vertical Edger Hydraulics, Requiring 5 GPM

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# HELLE DROP BELT



\*Side View



\*Top View

- \*HEAVY DUTY 1-3/4" ROLLER BEARING PIVOT
- \*TUBULAR STEEL CONSTRUCTION FOR "NO-SWAY"
- \*DESIGNED TO RUN FROM HELLE VERTICAL EDGER PUMPING UNIT

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**WE STILL MAKE HOUSE CALLS.  
CALL TODAY TO SCHEDULE A SERVICE CALL**

# **HELLE SAWMILL EQUIPMENT**

**By E-mail At:  
Service@4HELLE.com**

**Or Visit Us On The Web At:  
www.4HELLE.com**



**By Fax At:  
(309)-245-5126**

**By Mail At:  
Sawmill Hydraulics, Inc.  
23522 W. Farmington Road  
Farmington, IL 61531**



**WE ARE HERE TO SERVE YOU!**



**Thank you for  
your continuing  
business.**



**For all your  
sawmill  
equipment  
needs, please  
feel free to  
contact us.**