



®

Construction Equipment Co.

AUTO CONE HN™

Adjust On The Run!

™



AUTO CONE OPTIMIZER FEATURES

Digital Cone Setting Read Out

Digital Cone Setting Adjustment

Digital Amp Draw Display

Crusher Cavity Level Read Out

Tons Per Hour of Product In Feed (optional)

Hydraulic Locking and Unlocking

Adjust Crusher Setting Under Load

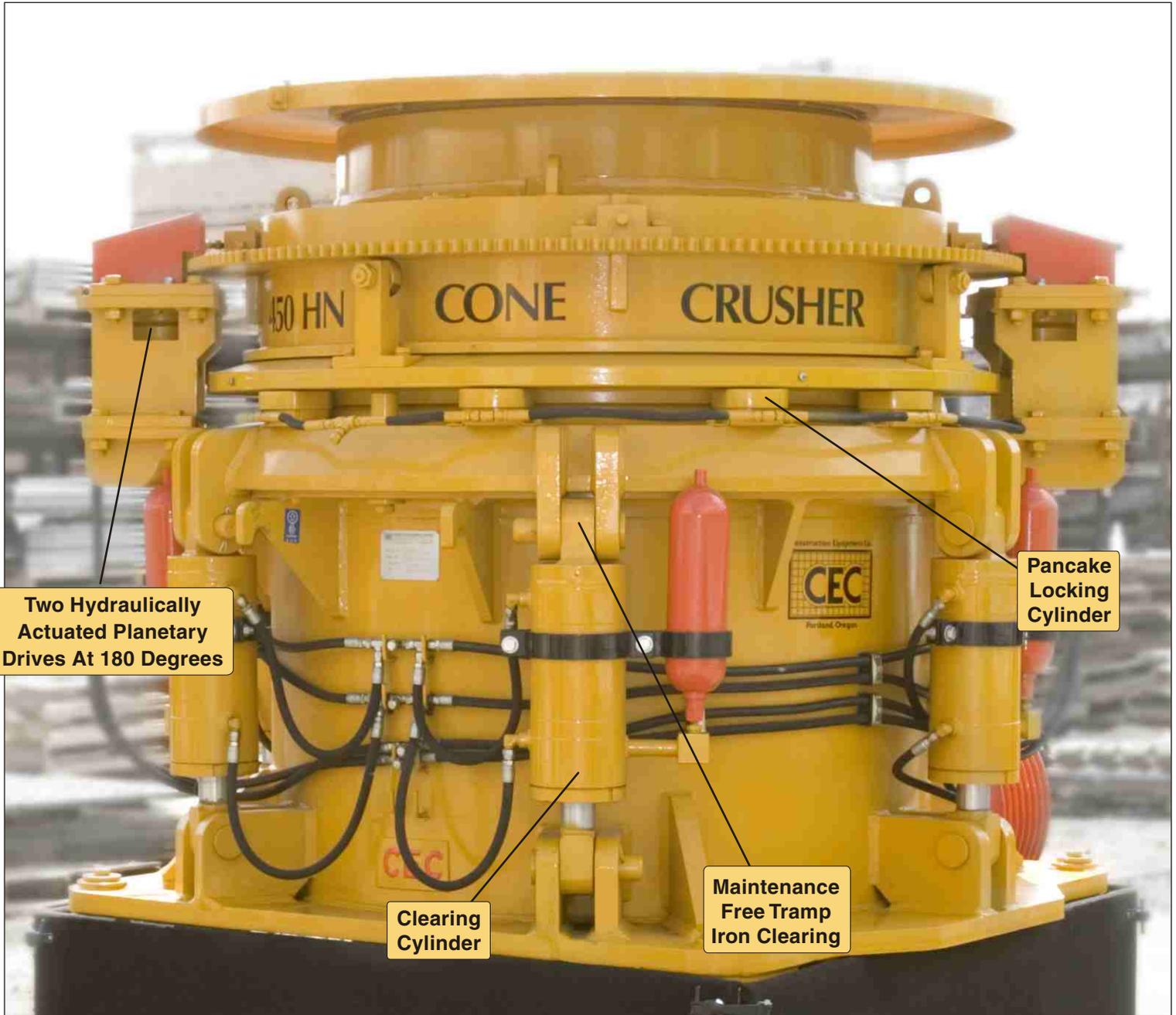
Hydraulic Chamber Clearing

Maintenance Free Tramp Iron Clearing

AUTO CONE HN™

Adjust On The Run!

HN CONE SERIES 400 - 450 - 510 - 600



★ ***ADJUST ON THE RUN™***

★ ***Digital Controls Increase
Production Up To 15%***

★ ***Improve Product Shape and Gradation***



Adjust On The Run™ From Operator's Control Station

CURRENT AUTO CONE SETTING - DIGITAL METER

CEC AUTO CONE HN shows the exact cone setting in inches and hundredths of an inch. You can zero out crusher liner wear periodically as needed. **Liner wear is accumulated and tells you when to replace worn manganese.** The AUTO CONE HN allows continuous rotation from minimum to maximum crusher setting.

PROGRAMMABLE ADJUSTMENT METER - DIGITAL METER

Enter your next cone setting in the programmable meter. Press GO! The cone unlocks, adjusts to your new set point and relocks. A green light comes on to indicate adjustment completion. Total time to adjust one inch is less than thirty seconds. Adjustment is done under full crushing loads without any interruption.

AMP DRAW

Adjust the material in-feed, the crusher setting and cavity depth to reach full amp draw. This results in maximum crusher output. Everything is monitored from the operator's station UNDER FULL LOAD. No stopping to make adjustments.

CAVITY DEPTH

CEC provides a digital display of the crusher rock level in the cone crusher cavity. This allows the operator to choke feed the cone and maintain the choke feed without fear of rising over the top. The operator has a graphic chart and a digital read out in inches.

TONS PER HOUR (optional)

The AUTO CONE HN can be equipped with an optional belt scale to provide continuous monitoring of the tons per hour of in-feed or out-feed. The digital display for this information is read on the control station

PERSONNEL SAFETY FEATURES

Adjustment is electro-mechanical from your control station. There is no risk of personal injury during adjustment since no manpower is required.

MULTI-LAYER CRUSHING

Multi-layer crushing, a feature of AUTO CONE HN control, increases the feed rate and amp draw of the crusher. Field tests show production increases of 30% or more.



PANCAKE LOCKING CYLINDER



CLEARING CYLINDER



BOWL DRIVE GEAR



HYDRAULIC PLANETARY DRIVE

PANCAKE LOCKING CYLINDERS

Low profile locking cylinders hydraulically lock and unlock the bowl assembly for rotation.

HYDRAULIC CAVITY CLEARING

Cone chamber clearing is accomplished quickly. When an emergency stop or power loss leaves you with a fully loaded cone, you have hydraulic chamber clearing. Spring packs, combined with strokeable clearing cylinders, makes your spring bowl assembly into a static chamber clearing crusher.

ROTATION GEAR

The bowl has a full rotational turning gear. It is supported on a number of cam followers.

ADJUST UNDER LOAD

Two powerful, hydraulically driven, planetary gear boxes allow the AUTO CONE HN to adjust under fully loaded conditions.

TRAMP IRON RELIEF

CEC uses enclosed housings on their proven tramp iron spring packs. This system allows 3½ inches of tramp iron relief. Spring packs require no maintenance.

LINER REPLACEMENT

During liner changes the bowl can be rotated, ready to lift off, in less than three minutes. CEC AUTO CONE HN components and liners are machine fit and require no epoxy backing materials. Liner changes are completed in a few hours rather than days. Ambient temperature no longer needs to be a consideration of liner change.

AUTO CONE MECHANICS - INCREASE PRODUCTION

CEC AUTO CONES have a new and improved eccentric action. This change of stroke is matched to a newly designed cavity. The manganese cone liners are computer designed and improve material flow. The design also reduces manganese cupping that occurs with wear. Through put is increased and horsepower per ton is reduced.



FORM 310C

Construction Equipment Co.

18650 SW Pacific Highway
Tualatin, Oregon 97062
(503) 692-9000
Fax (503) 692-6220
www.ceccrushers.com

Area Dealer