

TIRE CHANGERS

ENHANCED HIGH PERFORMANCE



4 Totally New Models

Designed for
OUR MARKETS!



Model EHP System IV E
With SRA and PBA Options

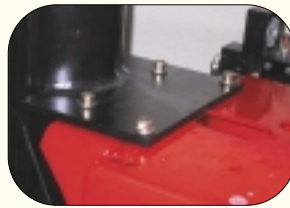
2ND TO NONE



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For Current Information See JohnBean.com

ALL MODELS: NEW & IMPROVED

New Double
The Number Of
Locking Screws:
Sturdier Tower.



New American
Motor With
Pulley Driven
Turntable: 7.5
RPM For
Improved
Turning Torque.

Larger Manifold
Hoses To Increase
Opening Speed Of
The Turntable.



New Valves With Air
Relief Devices For Faster
Opening And Closing Of
The Turntable.

Beefed-Up
Clamping Jaws
And Adjustment
Turntables.



Improved Flow
Regulator: Less
Blockage From
Air Impurities.

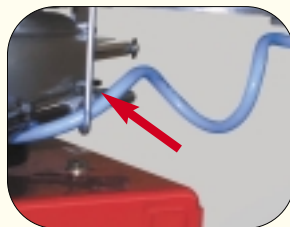


Reinforced Metal
Elbow To Protect
Line From Shocks
And Stresses.



Strengthened Lower
Base Structure!

New Super-Soft
Polyurethane Hose
With Support To
Avoid Contact With
Cabinet Surface.



Strengthened
Protective Plate;
Protects Pedals.



BUILT TOUGHER FOR TOUGH USE

SUPERIOR FEATURES



Integrated Bead Seating Jet

- Air inflation jets are integrated into the turntable clamping jaws to insure full bead seating force directly into tire cavity, regardless of rim diameter.



Superior Wheel Clamps

- Six Point Contact Clamps: Provide better gripping capability.
- Reduced Angle Jaws: Increase clamping contact area with rim insuring no slippage.
- Nylon Insert Soft Touch Clamps: Single-sided nylon insert provides non-metal touch in critical, visible areas.



Twin Cylinder Clamping Power

- Two clamping cylinders provide uniform clamping pressure and 25% more clamping power.



Water Separator and Oiler

- Extracts excess moisture from input air lines.
- Adds air oil lubricant for extended machine life.



Extra Wheel Protection

- Scratch resistant, replaceable nylon inserts for use with durable, steel demount heads.
- Replaceable molded polymer remount heads also available for extra protection against scratching or marring.



Rust-Proof Drive Cylinder

- Critical bead breaking cylinder is lined with rust-proof polyfiber liner for years of rust-free operation.
- Non-lined cylinders will pit, causing bead breaker power loss.



Lifetime Lubricated Polymer Valves

- Critical foot valves are fabricated from glass/fiber self-lubricating material, providing years of maintenance-free operation.



Adjustable Bead Breaker

- Two position, operator selectable, bead breaker opening. Simply remove the lock pin, adjust arm in or out to desired opening, and reinsert pin. (Systems III and IV only.)

GREAT NEW OPTIONS



Pneumatic Power Bead Assist (#6025283 for EHP SYS IV)

- Easier mounting/demounting of low profile, stiff sidewall and new run flat tires. (System II)
- Available on Systems II and IV only. (#6024184 for EHP SYS II.)



Adjustable Turntable Clamps

- Easily adjusts changer to handle 20", 22" or 24" wheels.
- Models EHP System II E and EHP System IV E only.

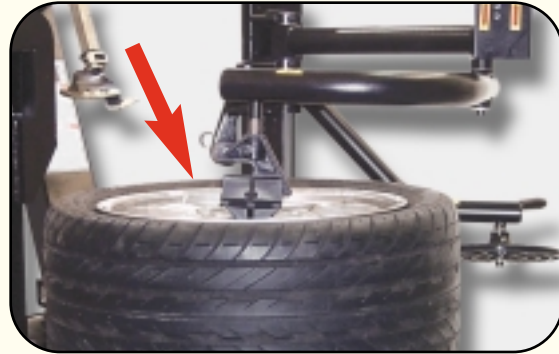
AVAILABLE
SUMMER 2002

LOW PROFILE / RUN FLAT / STIFF SIDEWALLS

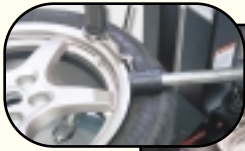
Using John Bean's Exclusive Pneumatic Bead Assist Option



Wheel Centering Depressor – This slide-on depressor provides downward pressure on the rim when clamping low profile tire and rims, assists operator in seating the rim clamp jaws between the tire and the outside rim on difficult to depress stiff sidewalls.



Pressure roller pushes bead in to allow operator to position the tire tool in lifting the bead over the duck bill head.

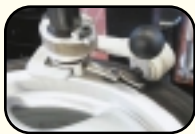


Power push up disk lifts tire up on the rim so the operator can more easily demount the tire.



The moving built-in hold down tool follows the tire as it rotates, holding the bead in the wheel drop center for faster, easier tire demounting and mounting

ACCESSORIES



New Detachable Bead Roller fits onto the standard steel mount / demount head. When used with a bead holding clamp, it depresses the tire for easier mounting of low profile tires. (4025966)



Molded Polymer Mount / Demount Head, when used in place of steel head, it offers extra protection against the scratching or marring of expensive custom wheels. (EAA0247G20A)



Motorcycle Adapter allows for the mounting / demounting of motorcycle wheels. (87481 – Set of 4)

Quick Change Mount / Demount Replacement Head

allows for a fast 10 second change over between the steel and molded polymer heads to meet specific requirements of the tires/wheels being changed. (EAA0247G19A)



Plastic Clamping Jaw Protectors

fits over the standard steel clamping jaws to give added protection to the wheel at the clamping service. (87479 – Set of 4)



Patented Bead Depressor Clamp

clamps right onto the turntable and holds high performance / run flat tires in the drop center during mounting. (4024078)



FULL RANGE MODEL SELECTIONS AND OPTIONS



Shown with optional SRA.

EHP System II – EEWH512AU Standard EHP Tire Changer

- Optional safety restraint arm (4022713).
- Optional MH310 bead assist (6024184).



Shown with optional SRA.

EHP System II E – EEWH512AE EHP Tire Changer

- Standard adjustable turntables (up to 24" wheels).
- Optional safety restraint arm (4022713).
- Optional MH310 bead assist (6024184).



Shown with optional SRA.

EHP System III – EEWH513AU Expanded Capacity EHP Tire Changer

- Optional safety restraint arm (4022714).



Shown with optional SRA and PBA.

EHP System IV E – EEWH514AE Racing/High Performance EHP Tire Changer

- Tilt Tower.
- Standard adjustable turntables (up to 24" wheels).
- Optional safety restraint arm (4022829).
- Optional MH320 bead assist (6025283).

OPERATION SAFETY FEATURES

Patented Safety Restraint Arm – Safety Restraint Arm positively restrains tire and rim assembly to the tire machine during the inflation process, reducing potential for injury caused by the unlikely event of catastrophic tire or rim failure.

Simple Swing Arm Design – SRA arm easily swings in from the left allowing the technician to quickly and safely perform the inflation process without disturbing the tire changer procedure.

Gravity Lock – Unique gravity lock engages automatically without operator intervention, ensuring that the tire is properly secured prior to inflation.

Positioning Safety Interlock Switch – Integrated switch insures that SRA is centered on the tire/rim assembly before the inflation process can begin.

Anti-Rotation Lock – Prevents the SRA arm from moving during the inflation process or in the event of an accidental explosion.

Integrated Pressure Limiter – Integrated safety pressure limiter stops air flow once pressure has reached 55 PSI (3.5 Bar), preventing tire over-inflation.

For Current Information See John Bean's

PERFORMANCE SPECIFICATION MATRIX

Part Number	EEWH512AU	EEWH512AE	EEWH513AU	EEWH514AE
Specification	EHP System II	EHP System II E	EHP System III	EHP System IV E
Air Pressure Required	110 to 170 PSI	110 to 170 PSI	110 to 170 PSI	110 to 170 PSI
Bead Breaker Force	3,400 lbs.@ 170 PSI	3,400 lbs. @ 170 PSI	3,400 lbs.@ 170 PSI	3,400 lbs. @ 170 PSI
Bead Breaker Opening	3" to 13"	3" to 13"	3.5" to 16.5"	Adj. 3" to 16"
Electrical Requirements	110V 60Hz I Phase	110V 60Hz I Phase	110V 60Hz I Phase	110V 60Hz I Phase
Maximum Rim Width	12"	12"	17"	15"
Maximum Tire Diameter	40"	40"	50"	40"
Rim Clamping Capacity - Inside	12" to 22"	12" to 24"	12" to 22"	12" to 24"
Rim Clamping Capacity - Outside	10" to 20"	10" to 24"	10" to 20"	10" to 24"
Shipping Weight (with SRA)	538 lbs.	548 lbs.	597 lbs.	567 lbs.

MODEL COMPARISON MATRIX

Specification	EHP System II	EHP System II E	EHP System III	EHP System IV E
Pneumatic Tilt Tower				✓
Swing Arm Tower	✓	✓	✓	
Run Flat Capable	✓	✓	✓	✓
Integrated Nylon Insert in Mount / Demount Head	✓	✓	✓	✓
Incoming Air Pressure Gauge	✓	✓	✓	✓
Nylon Turntable Chuck Inserts	✓	✓	✓	✓
Pressure Limiter (55 PSI, 3.5 Bar)	✓	✓	✓	✓
Rustproof Bead Breaker Cylinder	✓	✓	✓	✓
Rustproof Foot Valve Cylinders	✓	✓	✓	✓
Five (5) Year Transmission Warranty	✓	✓	✓	✓
Twin Cylinder Turntable Clamping	✓	✓	✓	✓
Water Separator / Air Oiler	✓	✓	✓	✓
Adjustable Turntable (Available Summer 2002)		✓		✓
Integrated Bead Setting Jets	✓	✓	✓	✓
Adjustable Bead Breaker Opening			✓	✓
Pneumatic Bead Assistance Option	✓ (MH310)	✓ (MH310)		✓ (MH320)
Integrated Positioning Safety Interlock	✓	✓	✓	✓
Safety Restraint Arm Option	✓	✓	✓	✓
Reinforced Steel Transmission	✓	✓	✓	✓
Surge Tank in Tower	✓	✓	✓	
External Surge Tanks				✓



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