

Changes/Improvements from FD1 to FD2

MacDon

ITEM	FD2	FD1	BENEFIT
New Frame	<p>All-new frame, from the ground up</p> <p>Super structured five sided/pentagon back tube</p> <p>Accommodates deeper draper deck, 127 cm (50")</p> <p>Aluminum backsheets</p>	<p>Frame has been in production for over 20 years</p> <p>107 cm (42") decks vs 127 cm (50"), 107 cm (42") deep side drapers</p>	<p>New design is stronger, more durable</p> <p>Deeper deck provides up to 20% more capacity over the FD1</p> <p>Better visibility from the cab of drapers, reel, and cutterbar</p> <p>Allows for new header sizes, including 12.5 m (41') and 15.2 m (50') foot options</p> <p>Less weight with aluminum components</p>
Drapers	127 cm (50") deep draper deck	107 cm (42") deep draper deck	<p>Increased feeding capacity (up to 20% over the FD1)</p> <p>Improved connector slat system creating less stress on draper connectors</p>
Cutterbar	<p>C-shaped in a new two-piece design</p> <p>External draper deck seal</p>	<p>C-shaped, original one-piece design.</p> <p>Draper deck seal was adjusted between drapers inside rear of cutterbar</p>	<p>Minimal welding for less distortion</p> <p>A shorter distance from knife to draper</p> <p>The new design allows for removable draper deck seal, making it easier to service</p>
Flex Range	<p>New frame allows more flex range over the FD1:</p> <ul style="list-style-type: none"> • Up to 60% on 12.2 m (40') • Up to 70% on 13.7 m (45') 		<p>More flex range to handle the hilliest terrain</p> <p>Fluid movement creating less drag and more responsive action</p>
Reel	<p>Triple reel options for FD240, FD245, FD250</p> <p>Aluminum tine tubes on triple reel</p> <p>Aluminum endshields and sectors on all reels</p> <p>CleanSweep Crop Keeper System including:</p> <ul style="list-style-type: none"> • angled reel fingers and tines at reel ends • reel endshield crop paddles and deflectors • inner endshield crop deflector fingers <p>Nominal 10 cm (4") finger spacing</p> <p>Reel fore/aft position sensor along with reel height sensor</p> <p>Center reel arm, single brace</p> <p>New reel drive chain cover and tensioning mechanism</p> <p>Reel fore/aft positioning adjustment - standard feature - ShatterGuard Reel Positioning</p>	<p>Reel height sensor</p> <p>Dual brace - visibility challenges</p> <p>Difficult process to tension chain, with multiple screws to remove cover, often required 2 people.</p>	<p>Three section reels improve reel to cutterbar relationship - reel mirrors cutterbar (reel split at header frame hinge sections)</p> <p>Less weight with aluminum components</p> <p>Improves dividing, cutterbar cleaning, putting more crop, more smoothly onto the drapers.</p> <p>Improves operator experience keeping crop on the drapers</p> <p>Improved visibility</p> <p>Improved serviceability - easy to access (quick latch cover) and easy to perform (ratcheting tensioner)</p> <p>Standard feature on all headers, no extra kits required</p> <p>Improved performance - easy one tool adjustment with the Set-it-Right multi-tool</p>

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Knife Drive	Improved Knife Drive Hydraulic direct drive Larger output shaft Flywheel	Belt driven knife	Improved Performance Higher speeds Smooth operation
Knife guards	New design ClearCut™ Pointed Knife Guards • new geometry (longer, angled) New design ClearCut™ PlugFree Knife Guards • lower guard tip extends past the sickle section		Larger effective cutting surface area More efficient cutting - clean cut at higher speeds in tougher conditions Improved performance in demanding “in the dirt conditions” Offering the sickle protection in treacherous harvesting conditions
Knife sections	New design ClearCut™ Knife Sections • new geometry (longer, pointier) • 25% more cutting surface New sickle section hardware		Larger effective cutting surface area (25% more). More efficient cutting - clean cut at higher speeds in tougher conditions Fitted bolts make in-field knife section replacement quick and easy
Double Knife	Double knife option now available on 10.7 m (35') model	Double knife option available on 12.2 m (40') and 13.7 m (45') models	Double knife optional on 10.7 m (35') and 12.2 m (40') models, standard on 13.7 m (45') and 15.2 m (50') models.
Multi-Tool	The NEW Set-It-Right Multi-Tool Stored in LH end panel - Used for: • Checking float and flex settings • Setting the ShatterGuard reel positioning • Adjusting the reel finger position (cam adjustment) • Reel chain tensioning • Installation and removal of end divider cones	Checking float and flex only	The Set-It-Right Multi-Tool allows the operator to make several adjustments and settings Stores on the header No need for extra tools for common adjustments
Float and Flex Settings	Easier Adjustments		Easier to accomplish with the Set-It-Right Multi-Tool EasySet Adjustments and improved decals
Off ground performance	ContourMax™ Contour Wheels	ContourBuddy Performance Option	Improved performance range Allows the header to cut off the ground in flex mode with stubble height up to 46 cm (18") Hydraulic, in-cab deploy for easy operation and on-the-go adjustment
Transport	EasyMove™ Transport* Performance Option *Always follow local traffic laws and regulations	Slow Speed Transport Performance Option	Brand new design Quicker, lighter, and more intuitive to deploy Easier to see wheel height locations Increased tire life from new design Integrated lights, sleeker look Hitch is self-contained on the header Easier dealer install

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Upper Cross Auger	Full length on all sizes of headers Motor located at the end of the auger inside the endshield of the header	Was not full length on 13.7 m (45') Two sections on all sizes	Improved performance Motor location allows the flighting to reach all the way to the header ends. Three section to mirror headers with three section reel
Vertical Knife	VertiBlade™ Vertical Knife Performance Option	Only OEM options available	Seamless MacDon designed option Hooks on and is ready to go, no additional hoses with the Quick Latch End Divider System Motor is mounted low and on the header reducing attachment weight and the awkwardness of handling
Operator Controls	Integrated combine controls	Limited integration	Uses existing OEM combine controls for header functions* *Availability subject to combine model
ITEM	FM200	FM100	BENEFIT
Redesigned Frame	Deeper feed draper to accommodate 127 cm (50") side drapers Larger oil reservoir – increased capacity 95 liters (25 US gallons) – single grade trans-hydraulic oil	107 cm (42") deep deck	Improved feeding performance and increased capacity
Hydraulics	New triple pump system. Integrated pump and manifold.		New filter location, easy to get to and less messy
Header Drive (Gearboxes)	Header Drive - main gearbox Header Drive - completion gearbox	1 gear box	Improved performance Better matched to combine Simpler conversions
Feed auger	Solid fingers New finger guides Remote grease lines (for feed auger pivot bushings)	Hollow fingers Difficult to access grease points	Improved performance and durability Better wear resistance of guides Ease of service



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