

REAP THE BENEFITS OF EXPERIENCE

SMART-TILL COMES FROM
YEARS OF INNOVATION AND FORWARD THINKING.

It's developed with your business in mind, because
we're focused on improving productivity for growers everywhere.

SMART-TILL IS JUST ONE IN A LINEUP OF HIGH-PERFORMANCE PRODUCTS INCLUDING

Paddle tines, Orbit Reel™, Gateway® sieves and chaffers,

HCC reels for combines and swathers, and more.

Delivering the most advanced technology for today's modern agriculture.



PADDLE



*To find out how you can optimize your field with Smart-Till™,
call 815-539-9371 ext. 348 or visit us online at www.hccincorporated.com.*

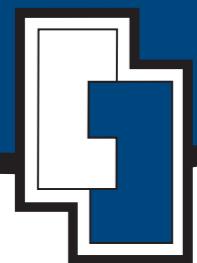


1501 First Avenue
Mendota, IL 61342
HCC, inc.

HCC — Over 100 Years of Harvesting Innovations™

Since our early days of Hume pickup reels and Hart-Carter products, HCC has been the innovator in the combine industry. Today HCC provides reels, sieves, chaffers, and other innovative products for every combine need.

*Innovative Tillage for
High Performance Fields*



HCC, inc.

Versatile Technology for Profitable Production

PROTECT YOUR SOIL and maximize your resources with the innovative tilling technology of Smart-Till™.

From soil management to pasture/hay management, Smart-Till's patented tines help optimize yield by fracturing rather than turning soil.

Smart-Till's self-sharpening three-tine helical design:

- Creates a more extensive fracture force line both laterally and vertically
- Fractures soil more than 8" deep
- Reduces soil compaction
- Rejuvenates soil
- Improves pasture/hay, soil, and manure management
- Enhances no-till/minimum till



The Smart-Till's patented tines fracture soil more than 8" deep, providing enhanced air and water exchange. Bottom photo shows Smart-Till with optional rotary harrows.

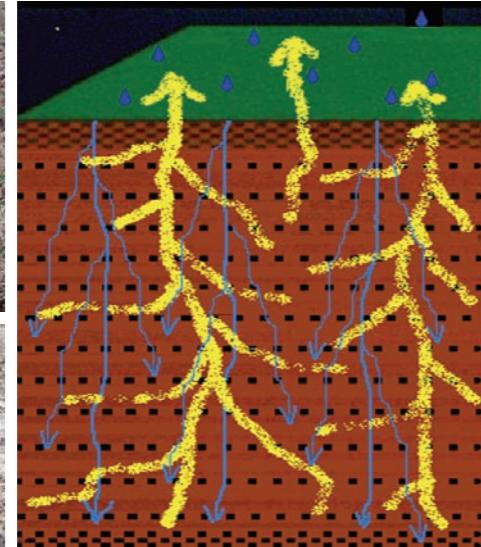
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Smart-Till's tines fracture soil more than 8" deep, allowing air (yellow) to be released and water (blue) to be absorbed more readily for healthier soil.



Versatile, Multifunctional

Durable and reliable, Smart-Till™ offers adaptability few implements provide.

Its patented tines are adjustable from 0 to 10 degrees depending on application. The optional rotary harrows—available only with Smart-Till—can be varied up to 30 degrees at either standard or aggressive angles.

Smart-Till's unique design allows it to fracture soil more than 8" deep, with little surface disturbance. This creates improved air and water exchange, which offers many benefits for different applications.

Available Rotary Harrows

Only Smart-Till is available with optional rotary harrows, increasing your potential to optimize your fields' finish.

Smart-Till's harrow tines create variable amounts of loosened soil depending on setting chosen. This adaptability also sets the depth of penetration for the rotary harrow, allowing for minute changes according to field conditions and crops.

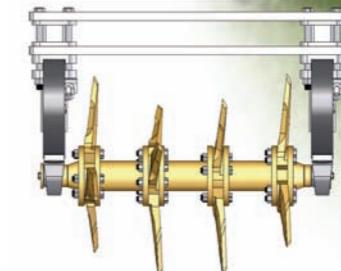
Adjusting harrow angle and reversibility provides a full range of tillage options.

How It Works

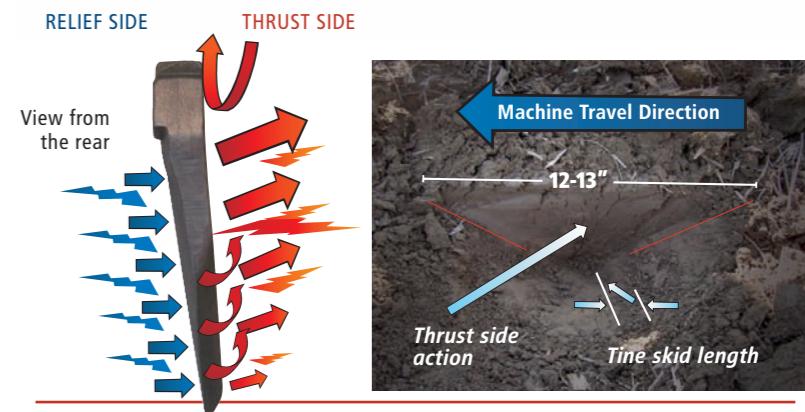
Smart-Till's effectiveness comes from its two phases of tine action—entry, or soil displacement, and fracture, when force is applied.

Tine shaft speed helps produce low torque and create a "ripping" effect that breaks through subsoil to allow more rapid air and water exchange. Water moves into the subsoil instead of resting in the plow layer, and roots easily penetrate the soil.

The soil surface receives only limited surface disruption, allowing for optimum performance from any field. Plus, Smart-Till offers the versatility to adjust the tine angle to suit the application and raise the harrows independent of the rest of the implement.



Closeup of the distinctive design of Smart-Till's tines



Reducing the shaft speed produces exaggerated fracture forces by extending the duration of tine contact within the soil. Even in wet soil, fracture lines are easily observed.

Effective in Many Fields



SUPERIOR SOIL MANAGEMENT

- Break up compaction with minimal surface disturbance
- Improve air and water exchange for healthier soil
- Expand available spring planting time
- Protect from winter elements
- Manage residue



MAXIMUM MANURE MANAGEMENT

- Improve soil's ability to absorb liquid manure
- Allow rapid incorporation of manure into soil
- Reduce odor issues
- Decrease risk of runoff



PASTURE & HAY MANAGEMENT

- Reduce surface compaction
- Improve yields
- Encourage stronger roots and better emergence
- Enhance fertilizer and nutrient uptake
- Renovate and interseed

Model	Tilled Width	Overall Length	Tine Spacing	Required Horsepower	Weight	Tire Size	Number of Tires
ST101	10'	16' w/o harrows 23.5' w/harrows	7.5"	100-150 hp	3,350 lbs. w/o harrows 5,250 lbs. w/harrows	11L-15FI	2 (optional 4)
ST151	15'	18.5' w/o harrows 26' w/harrows	7.5"	150-225 hp	5,000 lbs. w/o harrows 7,850 lbs. w/harrows	11L-15FI	4