ihsd®

INTEGRATED HARRINGTON SEED DESTRUCTOR

DESTROY

WEED SEEDS WHILE YOU HARVEST

INTEGRATED HARRINGTON SEED DESTRUCTOR

HOW IT WORKS

- 2x hydraulically driven cage mills are retro-fitted at the rear of the harvester
- Weed seeds are severley impacted by the mills, until they are no longer viable
- Chaff and inert weed seeds are spread over the paddock as powder

- **DESTROYS up to 99%** OF TARGETED WEED SEEDS AS YOU HARVEST (AHRI/UNI SA)
- **IMPROVES** FUTURE WEED CONTROL, REDUCES HERBICIDE RESISTANT WEEDS
- **ELIMINATES BURNING** WITH NOTHING TO DO AFTER HARVEST
- **INCREASES** SOIL ORGANIC MATTER, FULL RESIDUE RETENTION
- **ONE PASS PROCESSING,** NO CHAFF CARTS, NO WINDROWS
- **TESTED & PROVEN** ABILITY TO HANDLE HIGH CAPACITIES & AUSTRALIAN HARVESTS
- **AUSTRALIAN DESIGNED & BUILT** AFTER 20 YEARS OF DEVELOPMENT
- **BACKED UP** WITH SERVICE & SUPPORT FROM YOUR LOCAL DEALER
- **INVEST IN YOUR FUTURE,** COMMERCIALLY AVAILABLE FOR PURCHASE TODAY

RAY HARRINGTON

Western Australian farmer, Ray Harrington, has spent the last 22 years developing methods for harvest weed seed management, which has led to the iHSD.

"All of our research is showing that this is the way to help keep weeds at low numbers"
- Steve Powles , AHRI Director

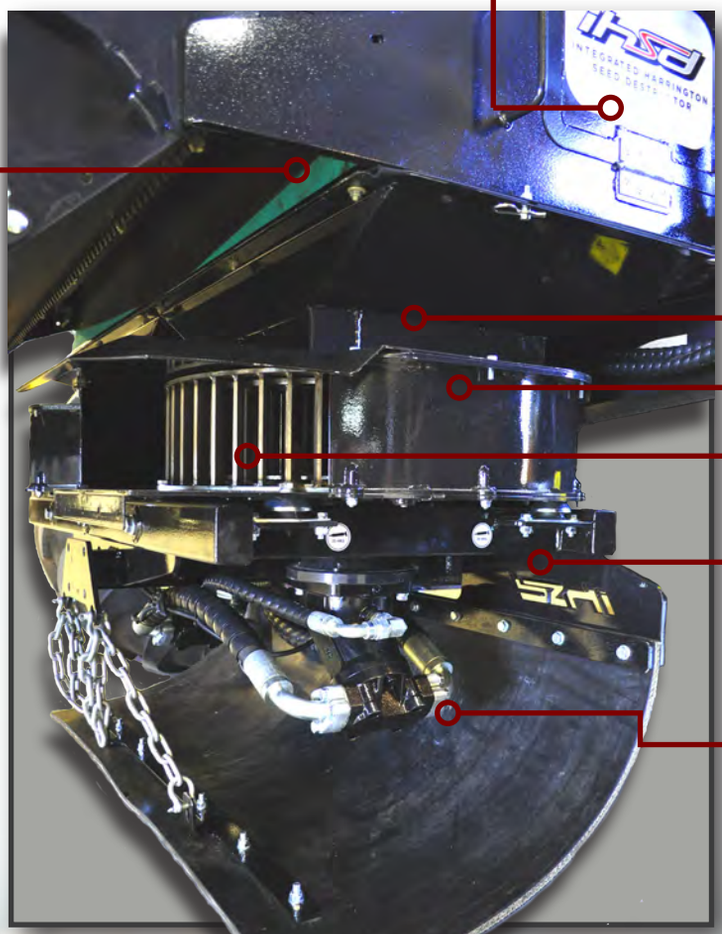
"The business is much better off coming into the seeding period with the iHSD"
- Trent & Warrick Brown, Nyabing

"Anything that enters those mills is smashed and completely destroyed"
- Roger Newman, Cuballing

FEATURES

SIEVE RUBBER DEFLECTOR
- highly abrasive for high wear
- rear flex panel, adjustable for crop types & moisture

SIDE PANELS
- built-in inspection hatch



INLET FEED CHUTES
- maximises mill feed efficiency

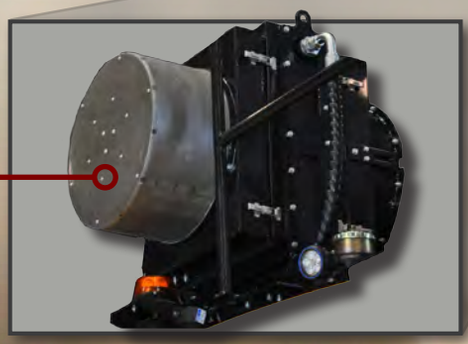
SCROLL
- hard wearing 3mm stainless steel

CAGE MILL
- patented iHSD mill technology

HEAVY DUTY BEARING UNITS- BETWEEN MOTOR & BEARING PLATES
- pressure relief for heat dissipation

HYDRAULIC MOTOR
- Bosch-Rexroth motor, exclusively designed for the iHSD
- engineered to operate mills continuously @ 3000 rpm

HYDRAULIC COOLING SYSTEM
- optional rotary cleaning screen available



INTEGRATED HARRINGTON SEED DESTRUCTOR

SIZE (IHSD UNIT ONLY)	1500mm (wide) x 800mm (long)
WEIGHT (IHSD UNIT ONLY)	450kg
LOCATION	Mounted on the rear combine, behind the sieves
POWER PLANT	2x Bosch-Rexroth direct drive hydraulic motors, run on an independent iHSD hydraulic closed loop circuit
OPERATING LOAD	85 - 105 HP @ 3000RPM mill speed
HYDRAULIC COOLING SYSTEM	High flow, high capacity Option 1) Stand-Alone, with double access doors for ease of access/cleaning Option 2) Stand-Alone, with double access doors for ease of access/cleaning including rotary screen Option 3) Integrated with combine engine cooling system
CONTROL SYSTEM	Cab mounted 12" touch screen, integrated with harvester CAN Bus
MILL SPEED	3000RPM
CAMERA	Option 1) 2x integrated industrial cameras with iHSD control screen Option 2) 4x infrared cameras with multiplexing display that monitor entire combine operation

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O'CONNORS

iHSD is a registered trademark of deBruin Engineering Pty Ltd . iHSD Technology was developed by UniSA with funding and support from GRDC.