

Extreme Machine Attachments

Concept—This section includes brush-cutting heads that are designed specifically for extreme machines. They can also be used by other excavator-type carriers with appropriate specifications.

Comments—Most extreme machines are also capable of using excavator-type grapples. The KDX mulcher head, while listed as an extreme machine attachment, has been used successfully on excavators.

Other Manufacturers or Sources—Extreme machines can often use standard attachments with compatible hydraulic and other requirements. Refer to the other attachment sections in this catalog for other possible extreme-machine attachments and check with manufacturers for details.

Also see the Equipment Today annual attachment issue, or the Timber West or Timber Harvesting annual buyer's guides for additional information on logging-related equipment (see Appendix B for details).



Extreme Machine Attachments

Disc Saw, Vertical Shaft, Boom Mounted

Risley Rotosaw 2600 ATH Harvester Head

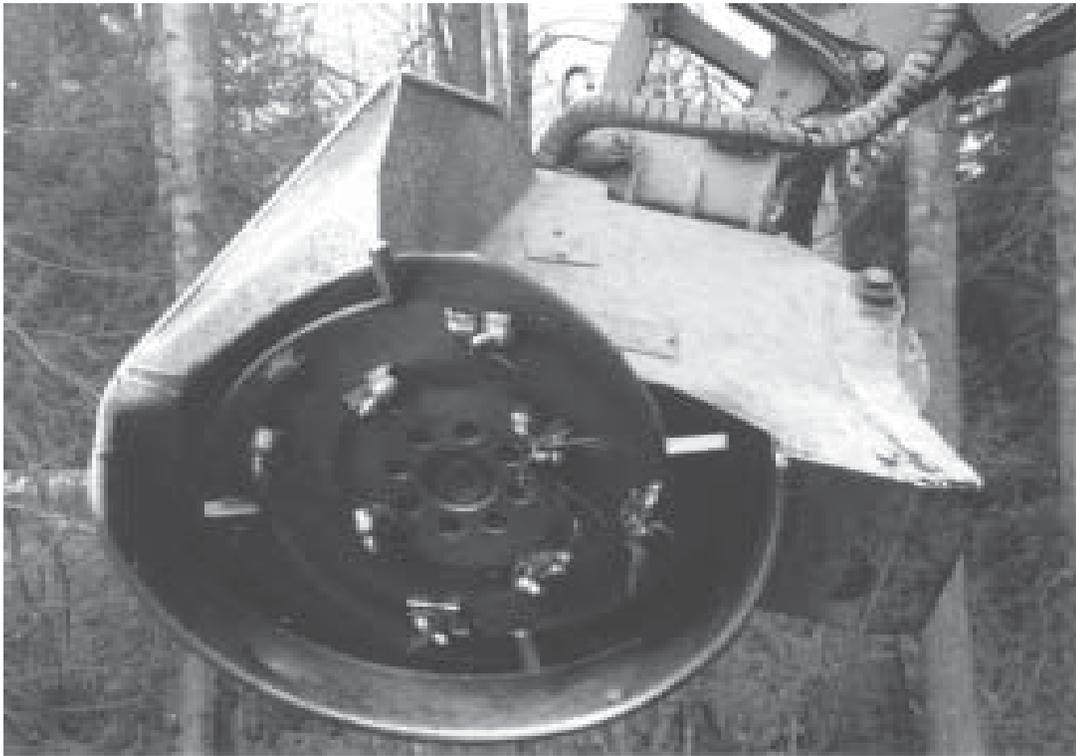


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|---------------------------------------------------------------|--------------------------------------------------------|
| Make/Model | Risley Rotosaw 2600: ATH Harvester Head |
| Manufacturer/Source | Risley |
| Distributor | Allied Systems Co. |
| Price | Included in price of prime mover |
| Status | In production |
| Preferred Prime Mover | ATH 28 |
| Other Suitable Prime Movers | Excavator-type feller-bunchers |
| Attachment Mount (lift arms/boom/3-point/other) | Bucket link at end of boom |
| Maximum Treatable Material Size | 28 in |
| Cutting Mechanism | Disc saw with insert-type teeth |
| Width of Cut | Up to 28 in |
| Width of Head | 58 in |
| Weight | 8,600 lb |
| Shaft (horizontal/vertical) | Vertical |
| Rotation Speed | 150 rpm |
| Power Source Required | 80+ gpm, 2,500 psi; motor spool control valve required |
| Special Uses/Adaptations/Other Uses | Very steep slopes |
| Manufacturer's Comments Regarding Equipment Application | Rugged and fast |

Extreme Machine Attachments

Mulcher, Vertical Shaft, Boom Mounted

KDX Mulcher

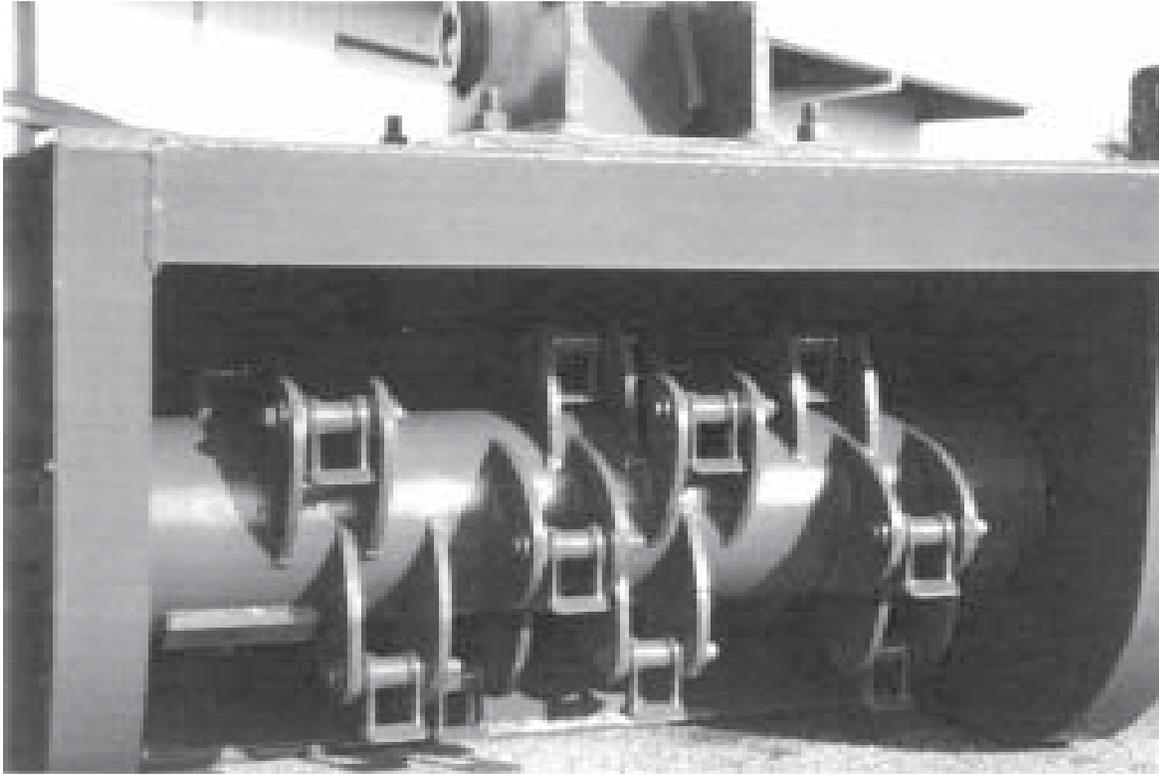


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|---------------------------------------------------------------|----------------------------------------------|
| Make/Model | KDX Mulcher |
| Manufacturer/Source | Kemp West, Inc. |
| Distributor | Kemp West, Inc. |
| Price | \$36,254 |
| Status | In production |
| Preferred Prime Mover | Kaiser walking excavator (Spyder) |
| Other Suitable Prime Movers | 150-series excavator or larger |
| Attachment Mount (lift arms/boom/3-point/other) | Boom |
| Maximum Treatable Material Size | 6 to 8 in |
| Cutting Mechanism | Fixed |
| Width of Head | 38 in |
| Weight | 900 lb |
| Shaft (horizontal/vertical) | Vertical |
| Rotation Speed | 1,200 rpm |
| Power Source Required | 20 gpm, 3,600 psi |
| Special Uses/Adaptations/Other Uses | Often used on excavators |
| Manufacturer's Comments Regarding Equipment Application | Mulcher wheel and housing creates fine mulch |

Extreme Machine Attachments

Flail, Horizontal Shaft, Boom Mounted

Menzi Muck Heavy-Duty Flail Mower



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|---------------------------------------------------------------|-------------------------------------------------------------|
| Make/Model | Menzi Heavy-Duty Flail Mower |
| Manufacturer/Source | Menzi USA Sales, Inc. |
| Distributor | Contact Menzi USA Sales, Inc. |
| Price | \$12,000 |
| Status | In production |
| Preferred Prime Mover | Menzi Muck |
| Other Suitable Prime Movers | Data not supplied |
| Attachment Mount (lift arms/boom/3-point/other) | Boom |
| Maximum Treatable Material Size | Brush to 5 in |
| Cutting Mechanism | Flail |
| Width of Cut | (Flail) hydraulic tilt 70% left and right 3 ft |
| Width of Head | 39 in |
| Weight | 1,200 lb |
| Shaft (horizontal/vertical) | Horizontal |
| Rotation Speed | 2,300 rpm |
| Power Source Required | 280 bar is 75 liters; hydraulic motor built in direct drive |
| Special Uses/Adaptations/Other Uses | Many |
| Manufacturer's Comments Regarding Equipment Application | Mulches best |