CircularSaw & Profiling Technology

DWK SG / ZE

Universal Sawing Centers

EWD
The SawLine Company™

Universal Sawing Centers

Wide range of applications & high flexibility with the smallest possible foot print

DWK ZE with centering and infeed table (ZE)

Optimum view on the log or cant from the operator control cabin

Cut logs or cants with up to 7 settable dimensions

The Universal Sawing Centers DWK SG and DWK ZE offer you a wide range of applications and an enormous flexibility. With the smallest possible foot print, these centers provide everything to be competitive.

The design capacity is approximately 20.000 - 80.000 m3 of log intake per year and shift. Logs up to 80 cm diameter can be processed.

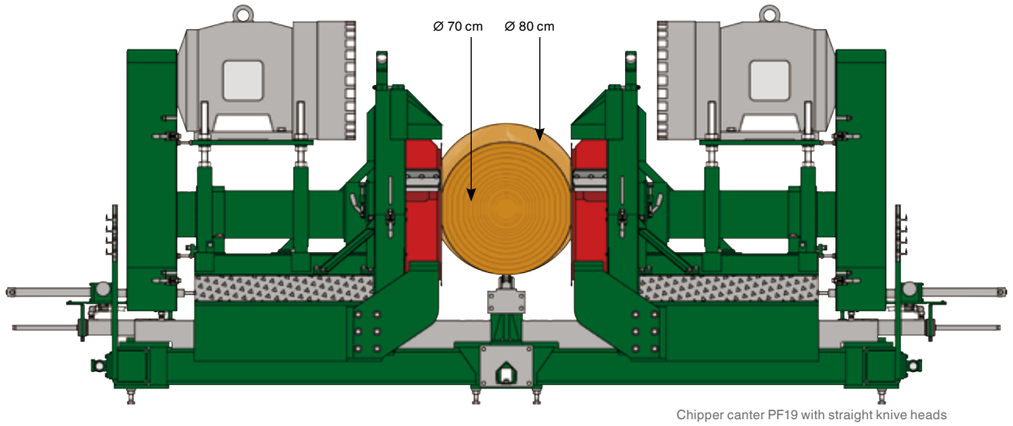
The sawing process in primary and secondary breakdown is fully flexible with up to 7 settable dimensions. The resawing into finished center products can be done in additional passes, again with up to 7 settable dimensions per pass.

Additional advantages compared to a traditional frame saw mill:

- more center product yield, less side boards
- high sawing accuracy
- super circular sawn lumber finish
- no vibrations
- small foot print and less mechanization around required
- relieves the operator at the edger optimizer from dealing with slabs
- increases the throughput at the „bottleneck machine“ edger optimizer considerably
- increased overall availablity of the sawmill by chipping all slabs on the log or cant
- optimum integration of the operator in the process flow

High production – flexible – small foot print – cutting edge technology

The small universal sawing center for the big logs



Chipper canter PF19 with straight knive heads

Technical data of chipper canter

Model		PF 19
Chipper head diameter	mm	1240
Chipping depth per head	mm	190
Chipping height above chain bed max. (with presawing circular saw ring)	mm	670
Distance betw. the chipper heads max.	mm	60 - 680
Drive power max.	kW	132

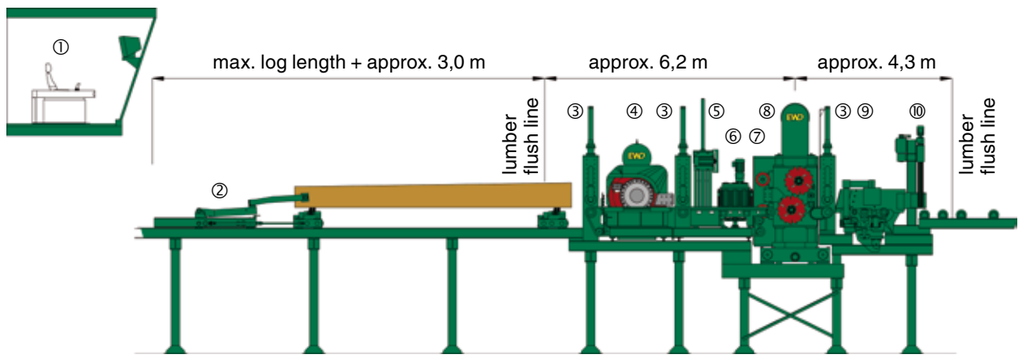
The EWD chipper canter models are fitted with either straight knives, stepped knives or spiral knives chipper heads. The PF19 heads are available with either pre- or post-sawing circular saws.

Straight knives chipper head

Spiral knives chipper head

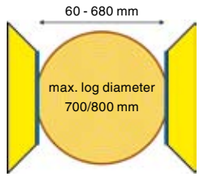
The Universal Sawing Centers DWK SG / ZE for the medium size sawmill

Sawing Center DWK SG

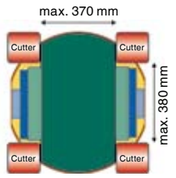


① Modern operator control place, individual design available
② Infeed system with independently adjustable log bunk and auxiliary carriage – H38/DWK
③ Horizontal driven feed roller system – WA1
④ Chipper canter – PF19
⑤ Automatic side board trim saw – KSB
⑥ Vertical feed roller system – EVW/K
⑦ Excess height cutters, adjustable in height with the saw arbors
⑧ DWK double arbor machine
- fix distance between the saw arbors
- with six independently moveable saw heads
- independently moveable lumber guides for the re-sawing of four-sided cants
- saws and lumber guides set by servo-hydraulic setworks

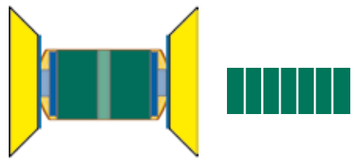
⑨ Splitting plates – AVER/DWK
⑩ Additional outfeed rollers – AZV-1



Round log processing center

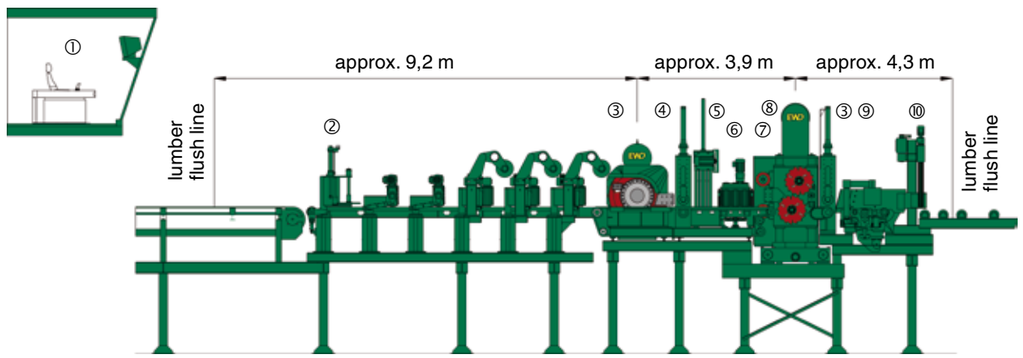


Log pass sawing with
7 settable dimensions



Two-sided cant or four-sided cant with 7 settable dimensions

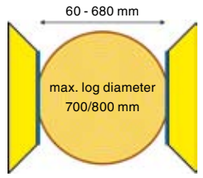
Sawing Center DWK ZE



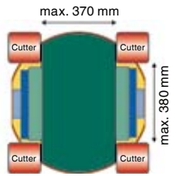
Chipper canter – PF19

① Modern operator control place, individual design available
② Chain conveyor for logs, 2-sided and 4-sided cants with ZE (Centering and infeed table)
③ Chipper canter – PF19
④ Horizontal driven feed roller system – WA1
⑤ Automatic side board trim saw – KSB
⑥ Vertical feed roller system – EVW/K
⑦ Excess height cutters, adjustable in height with the saw arbors
⑧ double arbor machine – DWK
- fix distance between the saw arbors
- with six independently moveable saw heads
- independently moveable lumber guides for the re-sawing of four-sided cants
- saws and lumber guides set by servo-hydraulic setworks

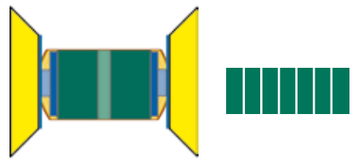
⑨ Splitting plates – AVER/DWK
⑩ Additional outfeed rollers – AZV-1



Round log processing center



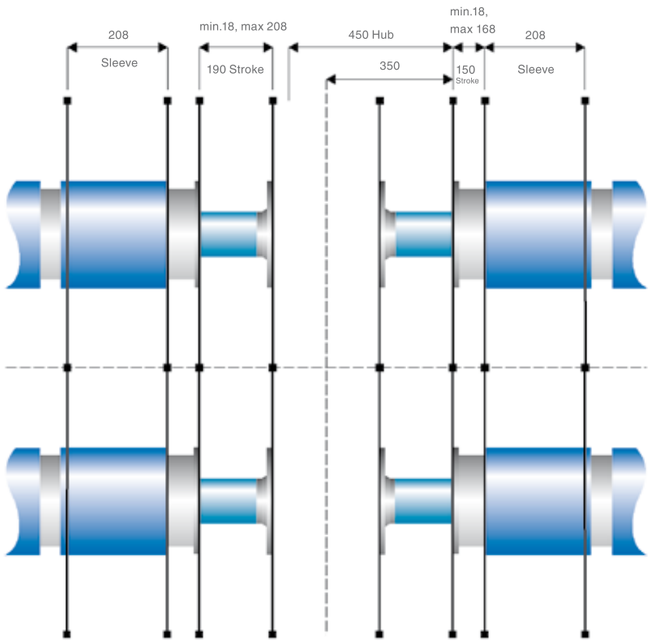
Log pass sawing with
7 settable dimensions



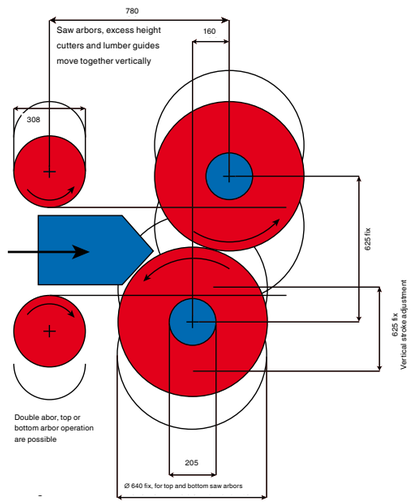
Two-sided cant or four-sided cant with 7 settable dimensions

Set distances – Double arbor circular saw unit DWK

Saw positioning

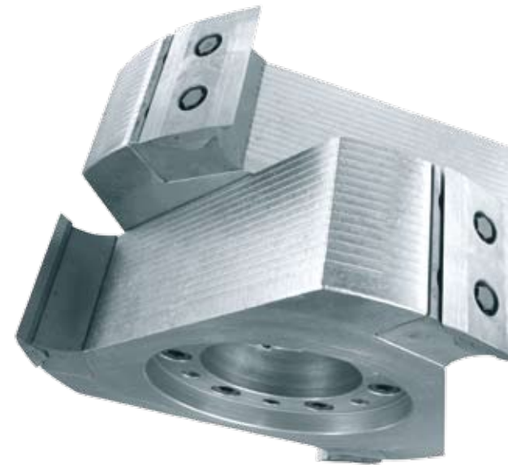


Saw- and cutter head height adjustment set distances



Technical Data – DWK

Type		DWK
Log diameter (described in a tube) max.	mm	700 / 800
Log length	m	min. 2,5 up to 14 and more
Sawing height Side board width log pass	mm	max. 380
Side board/center product height in cant resawing mode	mm	max. 370
Sawing height in single arbor mode	mm	max. 180
Drive motor size	kW	2 x 132 - 2 x 250
Sawblade diameter fix	mm	min. 520 - max. 640
Excess height cutters:		
Cutter head diameter	mm	308
Cutter head width	mm	160
Cutter drive motors	kW	4 x 30 / 37 3000 rpm
Machine weight including drive motors	t	approx. 25 - 26
In- and outfeed system with 1 bottom and 1 top roller each Machine opening vertical	mm	max. 800



Due to constant product improvements or developments the illustrations and specifications contained in this prospect are subject to change without notice.

Custom-made solutions

Custom-made solutions

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Bandsaw Technology

Edger Optimizer Technology

CircularSaw & Profiling Technology

EWD

The SawLine Company™

Esterer WD GmbH
Estererstraße 12
84503 Altötting, Germany
fon: +49 (0)86 71 - 5 03 - 0
fax: +49 (0)86 71 - 5 03 - 386
info@ewd.de
www.ewd.de

Esterer WD GmbH
Täleswiesenstraße 7
72770 Reutlingen, Germany
fon: +49 (0)71 21 - 56 65 - 0
fax: +49 (0)71 21 - 56 65 - 400
info@ewd.de
www.ewd.de

www.ewd.de

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