

**CUTTING MACHINES AT A GLANCE** 





### **Trimmers**



	IDEAL <b>1133</b>	IDEAL <b>1142</b>	IDEAL <b>1134</b>	IDEAL <b>1135</b>	IDEAL <b>1046</b>
Cutting length, mm	340	430	350	350	460
Cutting capacity in sheets (A4, 70 g/m²)	15	15	25	25	30
Format indications	A6 – A4 / photo sizes	A6 – A4 / photo sizes	A6 – A4 / letter size	A6 – A4 / letter size	A6 – A3 / American sizes
Resharpenable blades	-	-	•	•	•
Clamping	manual clamp bar	manual clamp bar	manual clamp bar	automatic / EASY-LIFT	automatic / EASY-LIFT
Blade guard	guard on clamp bar	guard on clamp bar	stationary	stationary	stationary
Side lay	•	•	•	•	•
Backgauge	•	•	•	•	•
Front gauge	-	-	-	-	-
Calibrated rotary knob for front gauge	-	-	-	-	-
Narrow strip cutting device	-	-	-	-	-
Measuring scale	mm	mm	mm / inches	mm / inches	mm / inches
Solid all-metal construction	-	-	•	•	•
Table size, mm, W x D	250 x 340	250 x 430	304 x 385	304 x 385	356 x 510
Dimensions, mm, H x W x D	85 x 290 x 570	85 x 290 x 660	310 x 340 x 570	325 x 340 x 585	385 x 390 x 700
Weight, kg	2.5	3	4	4.5	7.5



#### **BLADES FROM 'SOLINGEN STEEL'**

The high-quality upper and lower blades can be resharpened (models IDEAL 1134 - IDEAL 1110).



#### BACKGAUGE AND SCALE

The format indications printed on the cutting tables allow accurate trimming to the desired size.



#### CONVENIENT HANDLE

An ergonomically designed handle fits the hand perfectly and guaratees fatigue-free operation.



#### CUTTING LINE INDICATOR

The red cutting line indicator on the clamp bar enables precise alignment on cutting marks or images for precise cutting results.







	IDEAL <b>1110</b>	IDEAL <b>1080</b>	IDEAL <b>1071</b>	IDEAL <b>1058</b>	IDEAL <b>1038</b>
Cutting length, mm	1100	800	710	580	385
Cutting capacity in sheets (A4, 70 g/m²)	20 sheets / 4 mm	20 sheets / 4 mm	40	40	50
Format indications	A6 – A3 / American sizes	A6 – A3 / American sizes	A6 – A3 / American sizes	A6 – A3 / American sizes	A6 – A4 / letter size
Resharpenable blades	•	•	•	•	•
Clamping	foot pedal	foot pedal	manual clamp	manual clamp	manual clamp
Blade guard	stationary	stationary	stationary	automatic	automatic
Side lay	•	•	•	•	•
Backgauge	•	•	•	•	•
Front gauge	•	•	•	•	•
Calibrated rotary knob for front gauge	•	•	•	•	•
Narrow strip cutting device	•	•	•	•	•
Measuring scale	mm / inches	mm / inches	mm / inches	mm / inches	mm / inches
Solid all-metal construction	• (machine frame)	•	•	•	•
Table size, mm, W x D	760 x 1100	605 x 800	506 x 765	356 x 604	356 x 403
Dimensions, mm, H x W x D	1360 x 830 / 1060¹ x 1390	1215 x 670 / 890¹ x 1080	520 x 570 x 980	260 x 410 x 790	260 x 410 x 575
Weight, kg	60	55	23	14	9

<sup>1</sup> Fold-away extension table in working position



#### **EASY-LIFT**

The patented paper release lever lifts up the automatic clamp for convenient removal of the paper from the cutting table.



#### CALIBRATED ROTARY KNOB

The rotary knob allows precise positioning of the front gauge with narrow cutting device to the desired dimensions.



#### PAPER SUPPORTS

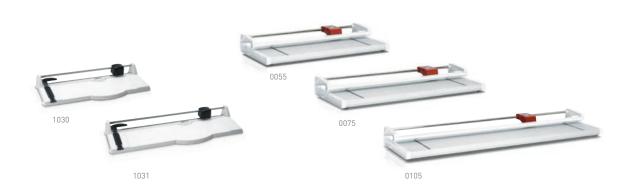
Fold-out paper supports on the front gauge allow precise alignment of the paper to be cut.



#### SOLID BLADE BRACKET

Precision blade mounting brackets with double bearings for the blade axle guarantee a long service life and precise cuts.

# Rotary trimmers



	IDEAL <b>1030</b>	IDEAL <b>1031</b>	IDEAL <b>0055</b>	IDEAL <b>0075</b>
Cutting length, mm	330	430	550	750
Cutting capacity (sheets) or Cutting height (mm)	5-6 sheets (paper 70 g/m²)	5-6 sheets (paper 70 g/m²)	max. 0.8 mm	max. 0.8 mm
Clamping system	clamp bar (automatic)	clamp bar (automatic)	clamp bar (automatic)	clamp bar (automatic)
Safety cutting head	•	•	•	•
Precise metal cross bar for cutting head	•	•	•	•
Self-sharpening rotary blade from high-quality steel	•	•	•	•
Open side brackets for oversized formats	-	-	•	•
Construction of cutting table	ABS material	ABS material	custom aluminium extrusion	custom aluminium extrusion
Measurement cutting table	cm pattern	cm pattern	measuring scale cm	measuring scale cm
Table top model with non-slip rubber feet	•	•	•	•
Metal stand with collecting tray	-	-	-	-
Optional paper roll holder	-	-	-	-
Table height (working height), mm	-	-	-	-
Table size, mm, W x D	330 x 165	430 x 165	580 x 280	750 x 280
Dimensions, mm (H x W x D)	61 x 476 x 201	61 x 576 x 201	110 x 800 x 380	110 x 1000 x 380
Colour	white / black	white / black	natural aluminium / white	natural aluminium / white
Weight, kg	0.7	0.9	4.5	5.5



#### **PROTRACTOR**

For cuts in a correct angle, models 1030 and 1031 are equipped with a protractor and corresponding marks on the cutting table.



#### **BRACKET WITH SCALE**

This bracket with a useful measuring scale (mm) can be used as front gauge or as backgauge.



#### HARDENED ROTARY BLADE

All IDEAL rotary trimmers are furnished with self-sharpening rotary blades made of special hardened, high-quality steel.



#### SAFETY CUTTING HEAD

For precise and safe cuts: ergonomically designed safety cutting head.











	IDEAL <b>0155</b>	IDEAL <b>0135</b>	IDEAL <b>0105 U</b>	IDEAL <b>0105</b>
Cutting length, mm	1550	1350	1050	1050
Cutting capacity (sheets) or Cutting height (mm)	max. 0.8 mm	max. 0.8 mm	max. 0.8 mm	max. 0.8 mm
Clamping system	clamp bar (automatic)	clamp bar (automatic)	clamp bar (automatic)	clamp bar (automatic)
Safety cutting head	•	•	•	•
Precise metal cross bar for cutting head	•	•	•	•
Self-sharpening rotary blade from high-quality steel	•	•	•	•
Open side brackets for oversized formats	•	•	•	•
Construction of cutting table	sheet metal	sheet metal	custom aluminium extrusion	custom aluminium extrusion
Measurement cutting table	measuring scale cm / inches	measuring scale cm / inches	measuring scale cm	measuring scale cm
Table top model with non-slip rubber feet	-	-	-	•
Metal stand with collecting tray	•	•	•	-
Optional paper roll holder	•	•	-	-
Table height (working height), mm	865	865	900	-
Table size, mm, W x D	1550 x 295	1350 x 295	1050 x 280	1050 x 280
Dimensions, mm (H x W x D)	940 x 1740 x 480	940 x 1540 x 480	965 x 1300 x 380	110 x 1300 x 380
Colour	light grey / medium grey	light grey / medium grey	natural aluminium / white	natural aluminium / white
Weight, kg	35	32	16	7



#### **MEASURING SCALE**

The measuring scale on the cutting table allows precise alignment of the material to be cut to the desired dimension.



#### COLLECTION TRAY

Convenient - the collection tray for trimmings underneath the cutting table is standard equipment for all models with stand.



#### PRECISE METAL CROSS BAR

The high quality of the metal cross bar for the cutting head of the IDEAL rotary trimmers guarantees excellent results on every cut.



#### PAPER ROLL HOLDER

A practical paper roll holder is available at an extra cost for the rotary trimmers IDEAL 0135 and IDEAL 0155.

# Model overview Office guillotines – manual or electric





	IDEAL 4300 (table top model)	IDEAL 4305 (table top model)	
Cutting length, mm	430	430	
Cutting height, mm	20	40	
Narrow cut, mm	36	34	
Table depth, mm	340	435	
Blade drive	manual	manual	
Clamping system	"fast flick" action clamp	"fast flick" action clamp	
Backgauge	manual	manual	
Backgauge setting	sliding backgauge with locking screw	hand crank	
Measurement indication	measuring scale (mm/inches) on side lay	measuring scale (mm/inches) on side lay	
SCS safety cutting system (safety package)	•	•	
Safety element on front table	hinged, transparent safety cover	hinged, transparent safety cover	
Blade safety device	blade is locked when safety cover is open	safety catch (locks blade in upper position)	
Blade made of German high quality steel	•	•	
Solid steel blade carrier and adjustable blade guides	•	•	
Optical cutting line indicator with bright LEDs	-	-	
EASY-CUT patented blade activating bars (two-hand operation)	-	-	
Optional accessories (at an extra cost)	stand	stand	
Dimensions, mm (H x W x D)	470/1210¹ x 720 x 575	400/1150' x 880 x 880	
Power supply <sup>s</sup>	-	-	
Weight, kg	30.5 / 411	44 / 541	



#### **BLADE LEVER**

Effortless cutting: Safety blade lever with ergonomically designed handle and patented overload protection while cutting.



#### SCALE FOR BACKGAUGE

The accurate backgauge and side lays are made from cast aluminium and allow precise alignment of the paper stack.



#### "FAST FLICK" ACTION CLAMP

Efficient cutting is guaranteed by the "fast flick" action clamp. Insert paper stack, throw the lever to tighten – cut.



#### SAFE BLADE CHANGE

Safe and convenient blade change without removing covers. Blade changing device covers cutting edge of blade to protect the operator.













4350	(cabinet	optional

IDEAL 4705 (table top model)	IDEAL 4315 (table top model)	IDEAL <b>4350</b> (table top model)
475	430	430
70	40	40
30	35	35
455	435	435
manual	electromechanical	electromechanical
spindle clamp	"fast flick" action clamp	automatic clamp
manual	manual	manual
hand crank	hand crank	hand crank
measuring scale (mm/inches) on front table	digital display (mm/inches) on front table	digital display (mm/inches) on front table
•	•	•
hinged, transparent safety cover	hinged, transparent safety cover	hinged, transparent safety cover
safety catch (locks blade in upper position)	cuts only if electronically controlled safety cover is closed	cuts only if electronically controlled safety cover is closed
•	•	•
•	•	•
-	•	•
-	•	•
stand	stand or cabinet	stand or cabinet
590/1270¹ x 1000 x 890	355/1085¹/1080² x 640 x 870	355/1085¹/1080² x 640 x 870
-	230 V / 50 Hz / 0.45 kW	230 V / 50 Hz / 0.45 kW
85 / 931	81 / 91¹ / 113²	86 / 961 / 1182

 $^{1}$  with stand  $^{2}$  with cabinet  $^{5}$  other voltages available



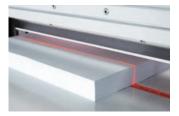
#### **CUTTING STICK CHANGE**

Turning or exchanging the cutting stick can easily be managed from the outside of the guillotine without using any tools.



#### DIGITAL MEASUREMENT READOUT

The digital measurement readout allows exact positioning of the backgauge. The indication accuracy of the digital display is 1/10 mm.



#### OPTICAL CUTTING LINE

The optical cutting line indicator with especially bright and durable LEDs guarantees easy alignment of cutting marks for precise cuts.



#### **EASY-CUT ACTIVATING BARS**

The innovative cutting system with convenient two-hand operation via patented blade activating bars.

# Electro-mechanical guillotines with transparent

safety guard





	IDEAL <b>4815</b>	IDEAL <b>4850</b>
Cutting length, mm	475	475
Cutting height, mm	80	80
Narrow cut, mm	30	30
Table depth, mm	458	458
Blade drive	electromechanical	electromechanical
Clamping system	spindle clamp	automatic clamp
Backgauge	manual	manual
Manual backgauge setting	hand crank	hand crank
Measurement indication	digital display (mm/inches) on front table	digital display (mm/inches) on front table
Electronic control for backgauge	-	-
Program mode	-	-
Blade made of German high quality steel	•	•
Optical cutting line indicator with bright LEDs	•	•
Electronically controlled safety cover on front table	•	•
Practical stand and storage shelf (standard equipment)	•	•
EASY-CUT patented blade activating bars (two-hand operation)	•	•
Practical hook-in tool holder on back table	•	•
Optional accessories (at an extra cost)	set of side tables	set of side tables
Dimensions, mm (H x W x D)	1410 x 762/1349 <sup>3</sup> x 1053	1296 x 762/1349³ x 1053
Power supply <sup>5</sup>	230 V / 50 Hz / 1.1 kW	230 V / 50 Hz / 1.42 kW
Weight, kg	212 / 221 <sup>3</sup>	225 / 234³



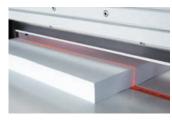
#### **PRACTICAL TOOL HOLDER**

The practical hook-in tool holder is placed on the back table and keeps all necessary tools for blade change and service jobs within reach.



#### **EASY-CUT ACTIVATING BARS**

The innovative cutting system with convenient two-hand operation via patented blade activating bars.



#### **OPTICAL CUTTING LINE**

The optical cutting line indicator with especially bright and durable LEDs guarantees easy alignment of cutting marks for precise cuts.



#### **DIGITAL MEASUREMENT READOUT**

The digital measurement readout allows an exact positioning of the backgauge, which is set by a hand crank (models 4815 and 4850).













IDEAL <b>4855</b> °	IDEAL <b>5255</b>	IDEAL <b>6655</b>
475	520	650
80	80	80
35	35	25
450	520	610
electromechanical	electromechanical	electromechanical
automatic clamp	automatic clamp	automatic clamp
electric	electric	electric
electronic hand wheel	electronic hand wheel	electronic hand wheel
digital display (mm/inches)	digital display (mm/inches)	digital display (mm/inches)
touch pad	touch pad	touch pad
99 programs, 99 steps	99 programs, 99 steps	99 programs, 99 steps
•	•	•
•	•	•
•	•	•
•	•	•
•	•	•
•	•	•
set of side tables	set of side tables	set of side tables
1296 x 762/1349³ x 1053	1293 x 860/1436 <sup>3</sup> x 1120	1293 x 992/1565 <sup>3</sup> x 1220
230 V / 50 Hz / 1.42 kW	230 V / 50 Hz / 1.42 kW	230 V / 50 Hz / 1.42 kW
228 / 237 <sup>3</sup>	252 / 261 <sup>3</sup>	302 / 311³

 $^{\rm 3}$  with side tables

<sup>5</sup> other voltages available <sup>6</sup> available April 2014



#### TRANSPARENT SAFETY GUARD

The electronically secured front safety guard swings out of the way easily and allows safe and convenient cutting.



#### **EASY-TO-USE TOUCH PAD**

Extremely convenient: Electronic, programable control module for the power backgauge with multi-lingual touch pad (models 5255 and 6655).



#### **ELECTRONIC HAND WHEEL**

Ideal for manual backgauge positioning, the electronic hand wheel has infinitely variable speed control (from very slow to very fast).



#### **OPTIONAL SIDE TABLES**

A set of side tables provides additional storage space and is available for all guillotines starting with model 4815 at an extra cost.

# Electro-mechanical or hydraulic guillotines with IR lightbeam safety curtain





	IDEAL 4860	IDEAL 6660
Cutting length, mm	475	650
Cutting height, mm	80	80
Narrow cut, mm	35	25
Table depth, mm	450	610
Blade drive	electromechanical	electromechanical
Clamping system	automatic clamp	automatic clamp
Foot pedal for pre-clamping	-	-
Backgauge	electric	electric
Manual backgauge setting	electronic hand wheel	electronic hand wheel
Measurement indication	digital display (mm/inches)	digital display (mm/inches)
Electronic control for backgauge	touch pad	touch pad
Program mode	99 programs, 99 steps	99 programs, 99 steps
Air table (air jets on front and rear table)	-	-
Optical cutting line indicator with bright LEDs	•	•
Safety element on front table	IR light beam safety curtain	IR light beam safety curtain
Three-step front table illumination	•	•
EASY-CUT (patented blade activating bars)	•	•
Practical hook-in tool holder on back table	•	•
Optional accessories (at an extra cost)	set of side tables	set of side tables
Dimensions, mm (H x W x D)	1296 x 762/1349³ x 988	1293 x 992/1565³ x 1220
Power supply <sup>5</sup>	230 V / 50 Hz / 1.42 kW	230 V / 50 Hz / 1.42 kW
Weight, kg	232 / 240³	312 / 3213



#### **EASY-CUT ACTIVATING BARS**

The innovative cutting system with convenient two-hand operation via patented blade activating bars.



#### EASY-TO-USE TOUCH PAD

Extremely convenient: Electronic, programable control module for the power backgauge with multilingual touch pad.



#### IR SAFETY CURTAIN

The light beam safety curtain on the professional guillotines ensures the highest level of safety and cutting convenience.



#### ELECTRONIC HAND WHEEL

Ideal for manual backgauge positioning, the electronic hand wheel has infinitely variable speed control (from very slow to very fast).









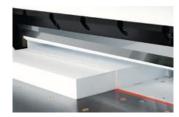




IDEAL <b>5560</b>	IDEAL <b>5560 LT</b>	IDEAL <b>7260</b>
550	550	720
95/92 4	95/92 4	80/78 -
32/60 <sup>4</sup>	32/60 4	20/90 4
570	570	720
hydraulic	hydraulic	electromechanical
hydraulic clamp (pressure min. 200 daN, max. 1100 daN)	hydraulic clamp (pressure min. 200 daN, max. 1100 daN)	hydraulic clamp (pressure min. 250 daN, max. 2000 daN)
•	•	•
electric	electric	electric
electronic hand wheel	electronic hand wheel	electronic hand wheel
digital display (mm/inches)	digital display (mm/inches)	digital display (mm/inches)
touch pad	touch pad	electronic control module
99 programs, 99 steps	99 programs, 99 steps	99 programs, 99 steps
-	•	•
•	•	•
IR light beam safety curtain	IR light beam safety curtain	IR light beam safety curtain
-	-	-
•	•	•
•	•	•
set of side tables	set of side tables	set of side tables
1370 x 1070/1630 <sup>3</sup> x 1400	1370 x 1070/1630 <sup>3</sup> x 1400	1335 x 1305/2100³ x 1540/1600³
230 V / 50 Hz / 1.5 kW	230 V / 50 Hz / 1.5 kW	400 V / 50 Hz / 1.5 kW (three phase)
369 / 386³	369 / 386³	588 / 628 <sup>3</sup>

<sup>3</sup> with side tables

<sup>4</sup>with false clamp <sup>5</sup> other voltages available



#### OPTICAL CUTTING LINE

The optical cutting line indicator with especially bright and durable LEDs guarantees easy alignment of cutting marks for precise cuts.



#### PRACTICAL TOOL HOLDER

The practical hook-in tool holder is placed on the back table and keeps all necessary tools for blade change and service jobs within reach.



#### PROGRAMMABLE BACKGAUGE

IDEAL 7260 equipped with programmable control module for the power backgauge (99 programs with 99 steps in each program).



#### AIR TABLE

The front and rear table of selected cutters are equipped with air jets for easy and effortless handling of large paper stacks.

# With IDEAL products you are always on the safe side. Signs you can rely on:



IDEAL is the world-wide leading manufaturer of cutting machines for the small format printing range. And this is the result of a consequent quality policy practiced for more than 60 years. Quality, durability, reliability as well as innovative design are expected from our products by our customers all over the world. IDEAL cutting machines are designed and manufactured almost completely in our factory in Balingen. Benefit from our branded quality Made in Germany supported by a certified Quality Management System according to DIN EN ISO 9001:2008.



Our comprehensive Safety Cutting System (SCS) has been developed especially for our guillotine cutters. The SCS safety package guarantees highest security standards while cutting - without disturbing or slowing down the working process. Particularly noteworthy is EASY-CUT, our innovative cutting system with convenient two-hand operation via patented blade activating bars. Furthermore, the safety cutting system provides security also when the guillotine is not in operation, for instance during the blade or cutting stick change, which can be done conveniently without removing machine covers.



Sustainability has always played a major role in IDEAL's corporate philosophy. Our environmentally compatible production system operates without any hazardous or toxic substances, our environmentally friendly powdercoating plant is even equipped with a dedicated water treatment system for the washing water. Optimisation of energy consumption is a permanently ongoing process in our factory. Only firstclass, sustainably produced materials are built into IDEAL products. We have implemented a certified Environmental Management System according to DIN EN ISO 14001:2009, which proofs that we care about the environment.



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