B3K Product Guide

02 - Kaiser Manual Copy Stands and Accessories



Copy Stands for every type of application



For reproduction with a camera, the Copy Stand is an essential tool. The right copy stand achieves quality repeatable results.

For assistance selecting the right copy stand, or questions, contact the experts at **B3K** Digital

Copy Stand Considerations

Size and `weight of camera, object size and space required must be balanced with current projects, future projects and budget. The following considerations can make selecting a copy stand easier.

Levelling

- Baseboard levelling included with all solutions
- Column levelling product specific
- Camera head levelling product specific

Camera mounting, position, orientations

- Is portrait and landscape orientations required
- How far does the camera need to move from column •
- Does the camera change height often
- Is height adjustment course or critical •

Sharpness - Vibration reduction

- Is copy stand appropriate for camera weight
- Is the Column head large enough for the camera

Object requirements

- Is copy board size enough for object size
- Will lighting cover object size
- Is column length tall enough for selected optics

Ergonomics

Is a table required to hold the copy stand





Kaiser Copylizer exe.cutive LED - The universal capture tool

Reflective and Transmissive LED light source copy stand



Copylizer Column:

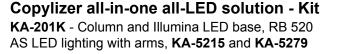
Specialized Aluminum, high stability, vibration resistant, cm and inch scales

Column dimensions:

70mm / 2.8 in width 100 cm / 39.4 in. height Column height adjustment Hand Crank, counterweighted

Copylizer Camera arm:

Detachable, interchangeable, horizontal mount. 1/4" and 3/8" interchangeable



For constantly changing reflective and transmissive objects in various sizes. Ideal for general office use.

- ٠ Create a single point for copy work
- . Bright, dimmable reflective and transmissive LED light sources, no UV or IR
- Transmissive up to 19.9 x 14.2 in / 50.6 x 36 cm
- Cameras and lenses up to 4 Kg / 8.8 lbs
- Ideal column length for standard and macro optics based on coverage areas

KA-5215 Copylizer exe, cutive LED with Illumina base.

Illumina Base

Size: 63 x 55 cm / 24.8 x 21.7 in. Serviceable Illuminated area 19.9 x 14.2 in / 50.6 x 36 cm Light source: 270 SMD LEDs, Colour Temp: Approx. 5600 K Output quality: CRI=95 Luminosity: 8300 cd/m² Features: Dimmable, flicker free, base with spirit level

KA-5279 Kaiser RB 520 AS LED Copylizer lighting unit

Illuminated area:

41.5 x 16.5 cm /16.3 x 6.5 in. per lamp, flicker free Light source: 2 x 192 SMD Colour Temp: Approx. 5600 K Output Quality: CRI=95 Luminosity: 5600 lux without diffusor, 5000 lux with diffusor Arms / clamps: Steel tube with square cross section, tilt / angle adjustable





Includes adjustable stop guides. Fits hinge on Illumina base



KA-5294 Metal Plate

Includes 4 magnetic holders and adjustable stop guides. Fits hinge on Illumina base, printed grid for positioning



Kaiser R1 - Universal Mount System - Multi-purpose solutions

One investment for copy work, film scanning, colour or B&W analog printing





Multi-functional modular copy stands

R1 Series copy stands are professional use, well engineered solutions with quality German workmanship. For Camera systems up to 4.0 Kg / 8.8 lbs.

Columns

Matt black anodized aluminum columns in various lengths. Versions include friction, rack and pinion as well as counter balanced camera position systems. Micro drive version available for ultra fine camera positioning. Fine levelling adjustments available on camera arm holder system.



Matt grey finish with fine grid, cm / inch scale, individually height adjustable feet for levelling,

Camera heads

The head system consists of 8 components allowing camera mounting with differing amounts of adjustment and positioning control.

Table frames and accessories

For ergonomic operation, a table base is available that allows the copy stand to become free standing. This can save space as well as add to versatility. Additional accessories includes a wall mount, roll-up tables and an extraneous Light Protector for work spaces that are out in the open.



Kaiser R1 Copy Stand Packages		L.	ŀ	Ł	Ł		
Copy stand / Head	RSX/RTX	RS 10 / RTP	RS 1 / RA 1	RS 1 /RT 1	RS 1 / RA1 microdrive		
Order Code	KA-5512	KA-5513	KA-5510	KA-5511	KA-5507		
Base Board	Matt Grey, printed fine grid, cm and inch scales						
Base board OD	60x50 / 23.6x19.7	60x50 / 23.6x19.7	45x50 / 17.7x19.7	45x50 / 17.7x19.7	45x50 / 17.7x19.7		
Base board thickness	32 / 1.3	32 / 1.3	28 / 1.1	28 / 1.1	28 / 1.1		
Base Spirit level	•	•	•	•	•		
Adjustable feet	•	•	•	•	•		
Column	Matt black anodized aluminum section tube, 70mm / 2.8" wide, cm and inch scales, hand crank for height adjustment						
Height cm / inches	120 / 47,2	100 / 39.4	100 / 39.4	100 / 39.4	100 / 39.4		
Height adjustment with friction drive			•	•			
Height adjustment Rack-and pinion	•	•			•		
Counterbalanced	•	•	•	•	•		
Fine drive	Not available	Not available	Not available	Not available	•		
Lock Knob	•	•			•		
Camera Arm	Interchangeable						
Model	RTX, KA-5522	RTP, KA-5524	RA1, KA-5520	RT1, KA-5521	RA1, KA-5520		
Adjustability	Horizontal, tilt-able	Horizontal		Horizontal			
Camera screw	3/8" / 1/4" changeable	3/8" / 1/4" changeable	3/8" / 1/4" changeable	3/8" / 1/4" changeable	3/8" / 1/4" changeable		
Optional camera positioning arm	no	yes	yes	no	yes		
Camera positions	front / rear	front	front	rear vertical / horizontal	front		
	Made in Germany	Made in Germany	Made in Germany	Made in Germany	Made in Germany		
a	125.5 cm / 49.4 in.	105.5 cm / 41.5 in.	105 cm / 41.3 in.	105 cm / 41.3 in.	105 cm / 41.3 in.		
b	18-31 cm / 7.1-12.2 in.	15.5-23.8 cm / 6.1-9.4 in.	18.5 cm / 7.3 in.	23-31.8 cm / 9.1-12.5 in.	18.7 cm / 7.4 in.		
, <u> </u>	60x43 cm / 23.6x16.9 in.	60x43 cm / 23.6x16.9 in.	45x43 cm / 17.7x16.9 in.	45x43 cm / 17.7x16.9 in.	45x43 cm / 17.7x16.9 in.		
М	3.5 kg / 7.7 lbs. max.	4 kg / 8.8 lbs max.	4 kg / 8.8 lbs max.	3 kg / 6.6 lbs. max.	4 kg / 8.8 lbs max.		

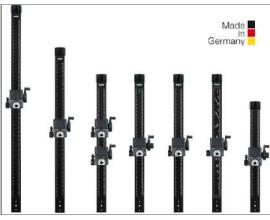




A-la-carte

A-la-carte

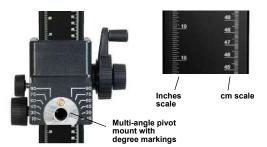
Although pre-bundled products are offered, the R1 Copy Stand System has so many options that bundles for every application are not practical. The A-la-carte section defines options available as well as functions creating the best possible combination for the job. Options covers wide ranging applications from Industrial machine vision to more traditional cameras or even Smartphones with the KA-6015 Smartphone holder. Specialty products like the KA-5504 Metal Base Plate is ideal for industrial, manufacturing, medical and research applications. Options include the KA-4412 wall mount or the KA-5508 Table Fame, which creates an independent station.



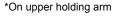
KA-4409 KA-4408 KA-4478 KA-4475 KA-4476 KA-4474 KA-4407

Columns

- Matt black anodized aluminum section tube
- cm and inch scales •
- Height adjustable holding arm
- KA-4478 includes 2 holding arms ٠
- Hand crank for height adjustment •
- Multi angle pivot mount for holding arms



Code number	Height	Friction	Rack and Pinion	Counter balanced	Blocking screw	Fine Drive
KA-4409	150 cm / 59.1 in.	•		•	•	
KA-4408	120 cm / 47.28 in.		•	•	•	
KA-4478	100 cm / 39.4 in.		•	•*	•	
KA-4475	100 cm / 39.4 in.		•	•	•	1.6
KA-4476	100 cm / 39.4 in.		•	•	•	
KA-4474	100 cm / 39.4 in.	•		•		
KA-4407	80 cm / 31.52 in.		•	•	•	1.6



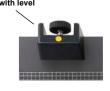


A-la-carte

Base Boards, Plates

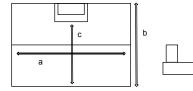
The Base Board is where the quality of the R1 Copy Stand system begins. The standard Base Board is supplied in 3 sizes to accommodate larger objects or to reduce the footprint for small spaces. The specialty Metal Base Plate provides a Base Board for a wide variety of industrial, medical and scientific environments.





Standard Base Boards

- · Matt grey, fine grid with cm/inch scale
- · Individually height adjustable feet
- · Column holding base made of die-cast aluminum with spirit level





Code number	а	b	с	d
KA-5519	80 cm	60 cm	53 cm	32 cm
	31.5 in.	23.6 in.	20.9 in.	1.3 in.
KA-5518	60 cm	50 cm	43 cm	32 cm
	23.6 in.	19.7in.	16.9 in.	1.3 in.
KA-5517	45 cm	50 cm	43 cm	28 cm
	17.7 in.	19.7 in.	16.9 in.	1.1 in.

KA-203K Kaiser R1 Vertical Stand

Using a combination of micro drive column, the Metal Base Board, and the RA 101 Camera arm, the vertical stand fits industrial, medical and scientific applications.

The Kaiser Vertical Stand components: KA-5504 Metal Base Plate KA-4475 1m Column micro-drive 1:6 KA-5523 Camera Arm RA 101 Optional Column KA-4407 0.8m micro drive 1:6 (A-la-carte)







KA-5504 Metal base plate

Dark Grey finished steel plate with die-cast base for R1 system columns. Height adjustable feet, 45 x 45 cm / 17.7 x 17.7 in. Thickness of 8mm / 0.3 in.Weight approx. 13.5 kg / 29.7 lbs



A-la-carte

Camera mounts - Specifications

The camera mount simplifies camera attachment to the copy stand and positioning of the camera. The camera can be mounted facing the column or facing out from the column depending on mount. Inward or outward mounting can be critical for accessing key camera functions. All camera mounts include both 3/8" / 1/4" thread camera screws.



RTX - KA-5522

- · Horizontally adjustable via parallel guides with fine drive
- Camera mounting plate turns +- 90°
- Spirit level Camera mounts on
- front and rear



RT 1 - KA-5521

- Horizontally adjustable ٠ via parallel guides
- Two mounting positions for horizontal and vertical format
- · Arm tilt-able

RLR - KA-5539

to left or right

end position

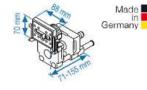
orientation

Camera platform can

be shifted horizontally

Adjustable stops for

Camera mounts for landscape or portrait



RTP - KA-5524

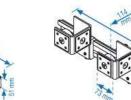
- Horizontally adjustable via parallel guides Camera positioning
- device



RA1-KA-5520

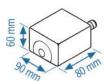
- Camera positioning device
- Simplest mount





2CC - KA-5540

- Two camera platforms can be shifted horizontally left or right
 - For carrying two cameras simultaneously



Extension Arm KA- 4455

Extends the holding ٠ arm of the column by 8 cm /3.1 in.



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RA 101 - KA-5523

- For camera with greater distance between tripod mount and optical axis
- Camera positioning device





A-la-carte

Camera Mounts visual guide, Focussing Stage, Smartphone holder



RTX - KA-5522



RT 1 - KA-5521



RTP - KA-5524



RA1 - KA-5520









RA 101 - KA-5523

RLR - KA-5539

2CC - KA-5540

Extension Arm -KA-4455



KA-5531 Focusing Stage

- Fine gear drive with lock screw
- Rapid adjust with single lock lever
- Up to 120mm / 4.7 in. of adjustment
- Large no-slip camera platform with mm scale
- Camera and plate mounting 3/8" / 1/4" thread
- Two focusing stages **KA-5531** can be combined for cross operation



- Two way positioning with 95mm / 3.7 in. range
- Movement through V-guideways via geared rack and pinion mechanism with mm scales
- Locking screws
- 1/4" connecting thread on mounting plate with rubber pad

KA-6015 Smartphone holder

Mounts Smartphone to copy stand or tripod. Rubberized quick clamp with 55 - 90 mm (2.2 - 3.5 in.) Span.



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KA-5508 - Table Frame

- For all standard base boards in the R1 system.
- Height-adjustable feet for levelling
- WxHxD: 58x51x60 cm 22.8x20.1x23.6 in.



KA-5549 - Extraneous light protector

For R1 and Copylizer systems. Light-tight black teflon-coated fabric tent. Fits on 100 cm / 39.4 in. and 120 cm / 47.2 in. R1 columns.





KA-5630 - Table Frame with wheels

- Can be with castors or height adjustable feet
- R1 Column can be mounted with **KA-4427** Column Base
- WxHxD: 92x31x68 cm 36.2x12.2x26.8 in.



KA-5712 - Copy Table

- Includes 4 castors
 R1 Column can be mounted with KA-4427
- Column Base • WxHxD: 92x49x68 cm 36.2x19.3x26.8 in.

KA-4427 - Column Base

For mounting an R1 column on a **KA-5712** or **KA-5630** table or on work surface

- · Die cast aluminum
- Bubble level
- Column attachment lock screw



KA-4412 Wall Mount

For R1 System columns. Top section adjustable for vertical levelling. Lower mount includes level. Distance between wall and holding arm front (no camera arm attached): approx. 25 cm / 9.8 in.



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Liahtina - LED

The Kaiser LED light systems are DC (direct current) offering flicker free operation. Emitted light has no UV (ultra violet) or IR (Infra red) content meeting the most stringent requirements for light sensitive objects. The efficiency of LED lighting is especially important for the environment by using less electricity and by producing a lot less heat compared to other continuous light sources.



KA-5551 RB 550 AL LED

Includes removable diffusors. Each light can be dimmed individually or together from 10% to 100% in 1% increments. Solid aluminum main housing

Ideal for

All R1 Systems, RSD and RSD Mot copy systems Illuminated area:

41.5 x 16.5 cm / 16.3 x 6.5 in. per light Angle of Coverage: 110° LED Array: 2 x 192 SMD - LED's Colour Temp: Approx. 5600 K Output Quality: CRI=95, flicker free Luminosity: 5600 lux without diffusor 5000 lux with diffusor

Power Consumption: 2 x 38.4 Watts Arms / clamps: Steel tube with square cross section, tilt, angle, height adjustable



KA-5550 RB 5070 DX2 LED

Includes removable diffusors. Each light can be dimmed individually or together.

Ideal for

All R1 systems Illuminated area: 33 x 8.5 cm /13x 3.3 in. per light Angle of Coverage: 110° LED Array: 2x 161 SMD LED's Colour Temp: Approx. 5600 K Output Quality: CRI=95, flicker free Luminosity: 3000 lux Power Consumption: 2 x 27 Watts Arms / clamps: Steel tube with square cross section, tilt, angle, height adjustable





Lighter duty and portable copy stands

R2 Copy Stands - Compact, flexible, stable

The Kaiser R2 copy stands are a lighter version of the R1 System, designed for light-weight cameras and Smartphone use. The R2 copy stands are also available in a portable version including a case. The case is designed to hold LED lighting as well. The R2 system is also suitable for industrial camera and machine vision systems.



KA-5411 R2 system RS 2 XA

Base Board:

40 x 50 cm / 15.7 x 19.7 in. Matt arev, printed fine arid, cm and inch scales, 25mm / 1 in thick, die cast aluminum base for column. Column:

Matt black anodized aluminum section tube, 35mm / 1.4 in. wide, cm and inch scales, hand crank for height adjustment, 76 cm / 29.9 in. height

Camera Arm:

Horizontally adjustable range of 7 cm / 2.8 in, connecting thread 1/4"



KA-5301 R2 system RS 2 CP, Foldable design with case

Steel panel base: Size: 40 x 42 cm / 15.7 x 16.5 in.

Column: 60 cm / 23.6 in. Height, folding All other specifications match KA-5411



KA-5467 **RB 5020 DS2 LED**

Angle of coverage: 110° Array: 2x 105 SMD, Colour and output: Approx. 5600 K, CRI=95, flicker free, 4300 lux Power consumption:

2x 17 watts

KA-202K - Image Capturing Set LED

Consists of KA-5301 folding copy stand with camera arm, baseboard and case plus KA-5467 LED lighting with arms and clamps. Package fits in case for complete portability



Kaiser "reprokid" Copy Stand

Small light weight, compact copy stand

A simple copy stand

The "reprokid" is a small, light weight compact stand for small , light weight, compact cameras. This simple solution uses household E27 style screw in light bulbs to keep things as simple as possible. Bulbs are not provided. Recommended for LED E27 screw in bulbs only.



Kaiser reprokid KA-536001 with lights KA-5361 copy stand only

Copy Stand: Matt grey, 32 x 38 cm / 12.6 x 15 in. size baseboard, 19 mm / 0.75 in. Thick, 59 cm. / 23.2 in. Column with cm and inch scales, adjustable with locking knob, 1/4 connecting thread Lights: two tilt-able E27 household lamp socket lights with 120 volt AC cords.

Kaiser Copy Stand Accessories



KA-6387 Duplex Spirit Level

Twin levels with dual mount feet. Attaches to standard camera accessory shoe



KA-6393 Triplex Spirit Level

Three levels with mount foot. Attaches to standard camera accessory shoe



KA-6386 Circular bubble Level

Self adhesive for permanent attachment to cameras, tripods or accessories. Threaded for mounting with screw. Aluminum housing, 25 mm / 1 in. diameter



KA-6385 Dual Bubble Level

With mounting shoe with lock ring and 1/4" tripod bushing



Kaiser Copy Stand Accessories





- Basic holding device for open books of various heights
- Non-slip base plate
- Folding glass pressure plate
- Pressure plate height up to 95 mm / 3.7 in.
- Eight preformed foam sheets for height compensation
- Base Plate size: 43 x 41 cm / 16.9 x 16.1 in.
- Size WxHxD: 47 x 13 x 45 cm, 18,5 x 5.1 x 17.7 in.



KA-5901 Kaiser Copy Plate

- For positioning and holding flat original objects
- Metal plate with non-slip base
- Matt 18% grey surface
- Printed grid lines and scales
- Four magnetic object holders
- Size of printed grid area: 46 x 34 cm / 18.1 x 13.4
 - Total Size: 50 x 38 cm / 19.7 x 15 in.
- Height: 10 mm / 0.4 in.
- Copy Plate can be wall mounted





FilmCopy Vario KA-2457 KA-2458 with Slimlite Plano

Scan transparencies and negs. Stable holding device for exact positioning.

- 35mm neg or slide to 6x9*
- Optional glass or Anti-Newton glass plates
- Optional 24 x 66 pano-plate
- Overlay mat for stray light

*See price page for 6x9 details



KA-5903 Kaiser Document stage

- For documents up to 210 x 148 mm /8.3 x 5.8 in.
- Two adjustable stop rails
- Four variable position fixing clamps, stainless steel
- Platform on ball head for tilt and swivel up to 90°
- Height adjustable up to 40 mm / 1.5 in.
- Platform, base spirit levels
- Four adjustable feet
- Size: 265 x 209 249 x 210 mm, 10.4 x 8.2-9.8 x 8.3 in.

KA-2457 package includes:

FilmCopy Vario holder 35mm mounted slide mask 24 x 36 mm mask set Overlay Mat

KA-2458 package includes:

All **KA-2457** items plus Slimlite Plano small





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