Phase One Book Digitization Solutions

Cultural Heritage

PHASE**ONE**

Introduction

The ever-increasing focus on enabling public access, research and preservation of assets for the future, means that institutes such as libraries and archives are required to improve, expand and speed up their digitization capabilities. Preserving the past for the future is often a race against time, since many materials are subject to degradation with a limited lifespan, thus calling for solutions that enable rapid capture at the highest possible image quality.

Books are often of fragile nature; hence they require a digitization workflow with the greatest attention to efficiency and careful handling of the object. Phase One's solutions range from more flexible options to a cradle offering an automated and synchronized capture of two book pages at a time. This allows us to serve the needs of various institutes and provide one of the fastest book digitization solutions.

Following our mantra of simply placing the object, pressing the capture button and subsequent processing of the images, we have created a simple and straightforward workflow with very little training required. At Phase One, as one of the leading manufacturers of digitization solutions, we continuously look for ways to expand and improve our offerings, utilizing and adapting the best imaging technology and the highest level of accuracy and consistency to suit large-scale, high-volume digitization projects.

Desktop
Book Cradle

The new Phase One Desktop Book Cradle is designed as a simple digitization cradle for small and medium size books and bound materials. Constructed from high-grade aluminum extrusions, its chassis provides a stable, reliable, and long-lasting platform.

Compatible with all Phase One copy stands and cameras, the Desktop Book holder supports books of up to A3 page size, with a maximum spine thickness of 17cm (optional 25cm).

With an adjustable opening angle (140º maximum) it ensures safe and accurate positioning and alignment of the book and the camera. A removable glass platen holds the page flat. Alternatively, for rare, fragile books the 4 glass fingers (included) can carefully hold most curled pages avoiding unnecessary pressure and unwanted shadows.

|	Desktop Book Cradle
Specifications	
Maximum supported book size	A3 book page size (32cm x 42cm)
Maximum spine thickness (cm)	17 (option for 25)
Adjustable angle support	Yes
Adjustable base lifting	Yes, mechanical
Maximum opening angle (º)	130-140º
Glass platen size	A3 book page size (32cm x 42cm)
Glass fingers	4
Glass fingers size (cm)	2 x 8
Footprint (cm)	W50 x L60 x H45
Weight (kg)	15

V-Twin Book
Digitization Solution

The Phase One V-Twin book digitization system combines the best imaging sensor technology with a robust, stable construction providing excellent ergonomics, safe material handling and an efficient workflow.

The cradle supports books with a size of A2+, maximum 25kg weight and a spine thickness of up-to 25cm. Its 100 degrees opening is optimized for digitization of rare books that cannot be opened flat, as well as other bound material avoiding unnecessary reflections while capturing two pages simultaneously. The quiet, powerful electric motors ensure accurate and safe raising/lowering of the upper and lower platens, while the market-leading D8 R+ LED panels, with CRI of >98, produce even, stable light distribution, essential for meeting the most stringent imaging guidelines.

An optional glassless V cradle allows for the handling of rare and fragile books, and an optional conversion kit converts the V-Twin into a regular A1 sized copy stand for flat art/document reproduction.

The two Phase One iXM-MV100 cameras, fitted with Linos Inspec.X 60mm/f4 lenses deliver high resolution images with accurate, 16-bit color, high dynamic range and low noise, easily adhering to the FADGI, ISO 19264 and Metamorfoze guidelines.
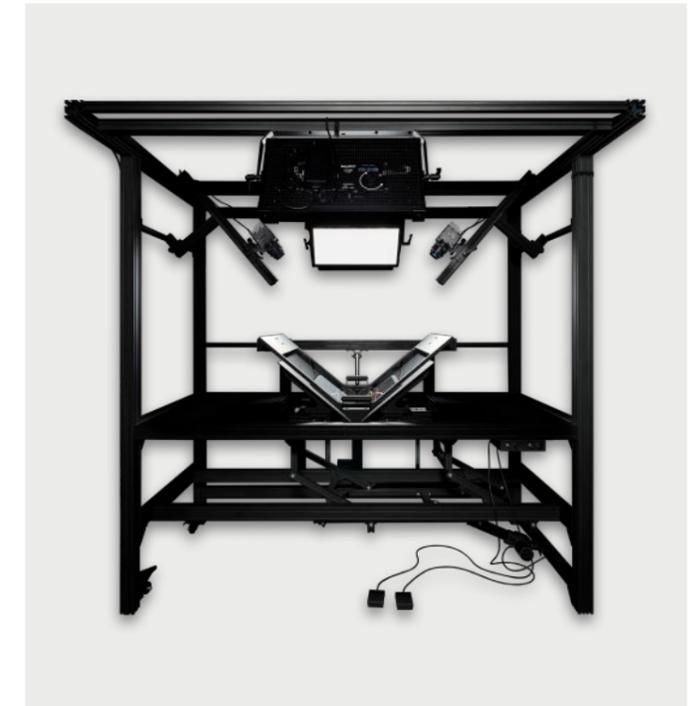
	V-Twin book digitization solution
Specifications	
Maximum book size	A2+ (43x61cm)
Maximum book weight (Kg)	25
Maximum spine width (cm)	25
Imaging sensors	100MP CMOS, Back Side Illumination with Electronic Shutter
Image capture size & resolution	A2+ @ up to 460ppi
Color depth	RGB 16-bit or 14-bit per channel
Camera Interface	USB-C; 10G ethernet (adapter required)
Approvals	FCC Class A, CE, RoHS
LED Panels	CRI >98 at 100% brightness, >50,000 hrs durability