



trüper™

The exceptional, fast-producing, ready-for-duty scanner.

Trüper: Speeding To The Top of Its Class The low volume production scanner segment just got a little faster. Trüper offers one of the highest speeds and duty cycles in its class. As a rotary scanner with flatbed exception capabilities, Trüper's unique combination of image quality, duty cycle and speed make it an attractive option for service bureau overflow, busy office environments and businesses with exception document scanning needs.

exceptional
nearly double the duty cycle of other scanners in its class
10,000 scans per day

fast-producing
one of the highest scanning speeds
color or bitonal
62 pages per minute

ready-for-duty
VirtualReScan® (VRS) 4.0 Plus, USB
all in one box
just plug and play!



**Ultrasonic Multifeed Detection:
Catch Double Feeds Without Rescanning**

Trüper's unique Ultrasonic Multifeed Detection catches double-feeds automatically – and remembers the last successful document scanned – so users can continue scanning right where they left off without having to rescan the entire batch.

In addition to delivering the best of breed scanning technology and bundled feature sets – including VRS 4.0 Plus with Auto Color Detect and Multi-Color Dropout – Trüper also delivers industry-leading value. Trüper increases scanning productivity and reduces the total cost of scanning, all at an affordable price. Whatever your scanning needs, Trüper helps you get it done faster and more efficiently. **Trüper and Böwe Bell + Howell. Always adding value.**



VirtualReScan 4.0 Plus: A Feature Bundle That Saves You a Bundle

Trüper dramatically decreases your scanning processing time through two unique features. The first is the VRS 4.0 Plus bundle of image enhancement technology that ensures increased scanning productivity in color, bitonal or a combination of both.

Working in conjunction with Trüper's superior paper handling capability, documents now can be scanned the way they come to you – mixed together in every shape, size, color and form.

Trüper eliminates the pre-sorting of batched documents and the inserting of patch codes and separator sheets previously needed to capture color content.

Without exception, VRS improves your workflow and reduces the total time needed to scan even the largest volumes of mixed batch documents. Moreover, VRS offers considerable advantages in saved file sizes. Even file sizes for your largest color images, those with color backgrounds, can be reduced by up to 40%.

Taken together, the benefits of the VRS bundle translate into real and measurable savings – fewer manual steps, less operator intervention and a lower total cost of scanning.

Speed: 62 Pages Per Minute (PPM)

In Color, Bitonal and Grayscale, Trüper provides accelerated throughput that ranks at the top of its production scanner class.

Auto Color Detect: Color When You Need It, Bitonal When You Don't

The second feature that improves color scanning processing time is Auto Color Detect (ACD). Using Auto Color Detect, color documents scan in color, bitonal in bitonal, all simultaneously on one system.

ACD correctly identifies color from bitonal documents automatically, without slowing down or stopping, while scanning is in process.

Even if you only scan 10% of your documents in color, the productivity benefits that ACD affords via uninterrupted performance are unmistakable.

Auto-Orientation: Reads It Right

Auto-Orientation automatically adjusts scanned documents – even those scanned upside down or backwards – and displays them "right side up" as they are normally read. This feature reduces the number of processing interruptions because of operator intervention.

Blank Page Deletion: Save File Size and Money

Blank Page Deletion enables significant savings in file size, storage and transaction costs. Scanning in duplex mode, Trüper detects a blank page, deletes it automatically, and passes on only the information that is needed – allowing file sizes to be reduced. For operators subscribing to a "fee-for-use" contract model, Blank Page Deletion also reduces the number of click-throughs and, therefore, reduces the ongoing cost to operate the scanner.

Multi-Color Dropout: Optimized Forms Processing

Users have the additional option of dropping out one or more color backgrounds simultaneously, on either side of a given document, while still capturing all color information in the foreground of the electronic image. Trüper's exceptional image quality provides improved OCR/ICR accuracy and barcode/patch code sensitivity, making it an excellent choice for healthcare, insurance, banking, law and government forms processing applications.

Wider Automatic Document Feeder: Accepts Larger Documents

Trüper's expanded document feeding capacity accommodates broader and over-sized "exception" documents cleanly and seamlessly.

User-Replaceable Parts: Reduce Service Calls

With easy to change and easy to clean parts, ongoing maintenance can be handled by Trüper users. This reduces the number of service calls required to maintain your scanner's health.

USB 2.0: Drives Higher Speed Throughput

Included with Trüper is USB 2.0, affording easy installation and accelerated document scanning throughput.

Bar Code Recognition: Standard Feature

For applications that utilize bar codes, Trüper includes scan time bar code recognition as a standard feature.

Exception Scanning & High Duty Cycle For Its Class: A Unique Combination

With the versatility to scan exception documents using its flatbed capability and the durability to deliver proven day-in, day-out duty cycles up to 10,000 documents – nearly double the industry average – Trüper truly offers the best of both worlds.

Birth Certificate

Protects fragile, old or delicate forms



Bound Documents

Creates images from bound documents, such as the atlas pictured below





trüper™ 3200

Scanning Mode	Duplex		
Scanning Method	Direct CCD (charge coupled device), Xenon Lamps		
Scanning Speed Letter Size Portrait	Binary 200 dpi	Simplex 62 ppm (pages per minute) Duplex 106 ipm (images per minute)	
	Color 150 dpi	Simplex 62 ppm Duplex 106 ipm	
Resolution (Flatbed or ADF)	Binary or Grayscale: 100-600 dpi (dots per inch) Color (with VRS): 100-400 dpi, Optical: 600 dpi		
Output Options	Bitonal, Grayscale (8 bit), and Color (24 bit)		
Image Enhancement	 VRS 4.0 Plus included for Auto Cropping, Deskew, Auto Brightness, Contrast Control, Auto Color Detect, Auto Rotation and Blank Page Deletion		
Document Size	Flatbed	Approximately 11.7 x 17 in. (297 x 432 mm)	
	ADF	Scanning Size: Approximately 1.9 x 2.8 in. (48 x 70 mm) to 11.9 x 25 in. (302 x 635 mm)	
Paper Thickness (ADF)	2.0 to 5.9 mils (0.05 to 0.15 mm) Note: 1 mil = 1/1000 in.		
Paper Weight (ADF)	10.6 to 34 lbs. (40 to 127 g/m ²)		
Feeder Capacity	200 Sheets of 17 lbs. (64 g/m ²) paper		
Scanner Size	30 x 20 x 11.4 in. (76 x 51 x 29 cm) Note: When the document cover is open, height is 22 in. (56 cm)		
Scanner Weight	64 lbs. (29 kg)		
Interface	USB 2.0 enhanced (cable included) or SCSI III (50 pin)		
Power Requirements	AC 100 - 120 V, 50/60 Hz	AC 220 - 240 V, 50/60 Hz	
Power Consumptions	Maximum (Scanning)	1.5 A	0.7 A
	Minimum (Standby)	0.6 A	0.3 A
	Sleep Mode	8 W	8 W
Environment	Operating Temperature and Humidity	Temperature 59°F to 86°F (15°C to 30°C) Humidity: 30% to 80% RH	
	Storage Temperature and Humidity	Temperature 32°F to 95°F (15°C to 35°C) Humidity: 10% to 80% RH	
Additional Features	End User Replaceable Feeder Rollers, Electronic Multicolor Dropout, Switchable Background, Ultrasonic Multifeed, Scan Time Bar Code Recognition		
Additional Contents	Power Cord, USB 2.0 Cable, Roller Cleaning Kit, CD-ROM (Operation Manual, VRS, User Utility Software), Printed Documents (Quick Installation Checklist)		
Bundled Software	VCDemo, QuickScan Pro Demo Software		
Consumables Options	S005504 Roller Cleaning Kit (Same as the Kit for Sidekick), S006043 Roller Exchange Kit, 0123030 Imprinter Kit, S005506 Imprinter Kit Cartridge (Same as the Kit for Sidekick) S006047 Shading Paper, S006049 Blower Accessory		
Imprinter Options		Pre-Scan, Front Page	
	Number of Characters	62 Characters	

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