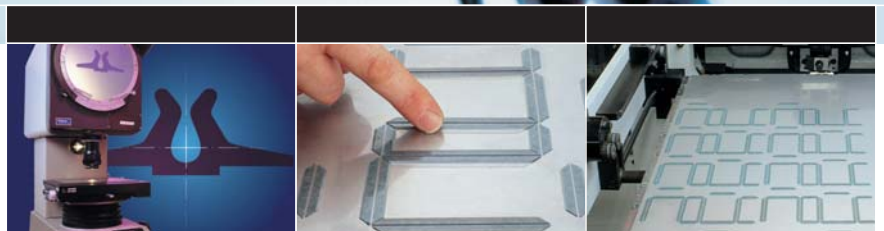




## Top Mark



**Perfect Creasing: when precision is the standard.**

Creasing Matrix **PRO • STANDARD • BASIC • PLAST** for

- boxboard
- solid board
- micro flute
- corrugated board



## Perfection as a measure ...

CITO creasing matrix has its origin in the box-making company Heinrich Methfessel founded in 1906, where it was already in use more than 50 years ago. During this time it has been constantly developed, enhanced and improved. Today CITO is the undisputed world market leader in terms of precision and quality.

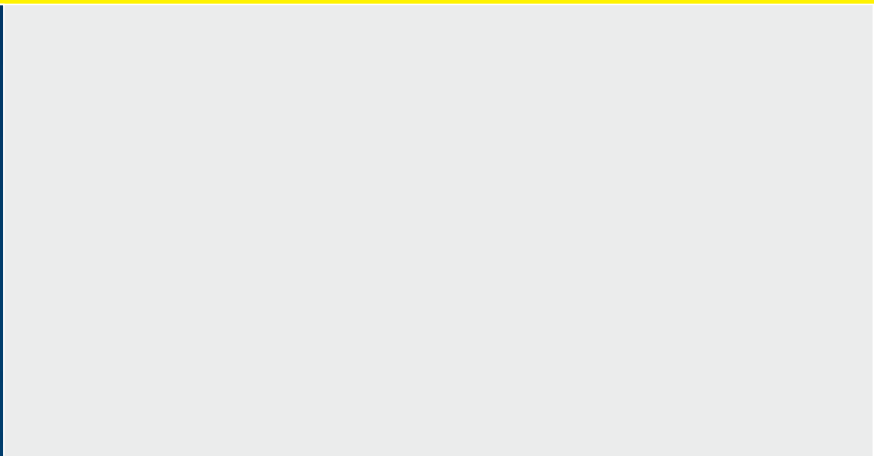
CITO delivers creasing matrix to customers on all five continents, backed up by training and associated technology. The CITO technicians are a team of well experienced staff in the fields of cutting, gluing and printing technology. They ensure our customers have the decisive competitive edge.

With the types CITO PRO, STANDARD, BASIC and PLAST CITO offers you the largest product range worldwide. With this range you can locate exactly the right product for every application and use ensuring optimum creasing quality with the best combination of price and performance. CITO sets the standard. Why accept anything less?

## ... which product - for which material

	corrugated board	micro flute	solid board	boxboard
CITO PRO RY	•	•	•	•
CITO PRO CMR	•	•	•	•
CITO PRO RE	•	•	•	•
CITO PRO IK	•	•	•	•
CITO PRO RY SG	•	•	•	•
CITO PRO RYU	•	•	•	•
CITO PRO RS	•	•	•	•
CITO PRO DR	•	•	•	•
CITO PRO CC	•	•	•	•
CITO PRO CS	•	•	•	•
CITO STANDARD	•	•	•	•
CITO BASIC	•	•	•	•
CITO PLAST plus	•	•	•	•
CITO PLAST Off-Center	•	•	•	•
CITO PLAST Double	•	•	•	•
CITO PLAST Reverse	•	•	•	•
CITO PLAST Hinge Crease	•	•	•	•

Details on all products can be obtained from the current sales literature.



# Perfection through diversity

## PRO

**film-based creasing system made from pressboard**

Basis: on-going dialogue with you, practice-based development and 100 years of experience in the converting of paper and board. Leading to: on-going practice-based continuing development, control and quality assurance for all of our solutions.

Result: the professional solution for perfect creasing, the by-word for quality and innovation, a product from professionals for professionals, developed for your success.

## STANDARD

**film-based creasing system made from pressboard**

Basis: detailed analysis of your demands, understanding of the practical requirements, and continual development of the knowledge of our employees. Leading to: state of the art production technology, total quality management, and a worldwide interchange of idea and experience. Result: the standard system for practical creasing quality, the cost-effective solution for all common materials and production requirements.

## BASIC

**film-based creasing system with plastic shoulders**

Basis: orientated towards the global market, effective production technique, continuous research and development combined with comprehensive real-time testing. Raw materials perfectly suited for the purpose. Leading to: several decades of experience in meeting the precise demands of the market.

Result: practical creasing system for small and medium runs, trademark quality with perfect combination of price and performance. For the production of folding boxes and the converting of corrugated board.

## PLAST

**metal-based creasing system with plastic shoulders**

Basis: your demand for a permanent further developed, practice-orientated solution. Leading to: state of the art production processes and quality control and comprehensive real time testing.

Result: the system of the highest quality, optimized to comply with your demands.



# CITO PRO

## CITO PRO RY:

Film-based creasing matrix made from pressboard, the worldwide leading creasing system. 700 mm long creasing strips of the highest precision and quality.

## CITO PRO CMR:

Same type and quality as CITO PRO RY, but in reels. Especially suited to the production of large packagings and displays. Effective for customers using larger quantities, resulting in less waste.

## CITO PRO RE:

The extended film ensures optimum sheet transfer on high performance diecutters. Time consuming taping of the creasing system is unnecessary, thus reducing makeready times and costs for the user.

## CITO PRO IK:

Creasing system for high-value products made out of corrugated board. Inside chamfering reduces tensile stress, and thus avoids cracking of the surface of the material.

## CITO PRO RY SG:

Special product for printed corrugated board for which the highest quality is required. Enhanced lateral bevelling ensures defects on the printed surface are avoided. Recommended especially for the production of display materials.

## CITO PRO RYU:

Special double-crease without a centre piece for premium 180° folding of corrugated board.

## CITO PRO RS:

Creasing system suited for small distances between cut and creasing rule (e. g. glue flaps, window cuttings). Ideal for small folding cartons.

## CITO PRO DR:

The triple creasing system, especially suited to the production of presentation folders and similar products.

## CITO PRO CC:

Special system for double-creasing with only a small space between the creasing rules.

## CITO PRO CS:

Special creasing system for double creases; applicable individually; due to its extremely narrow shoulder of only 1.3mm, CITO PRO CS is the perfect creasing strip, even for the smallest spaces between cutting and creasing rules (e. g. folders, mini folding boxes).

All RY variants of CITO PRO are equipped with size print on the creasing matrix. Equipped also with finger-lift for ease of handling. Except: CITO PRO CS.



# CITO STANDARD



The cost-effective creasing system made from pressboard.

CITO STANDARD comes in 45 different sizes for all common materials and product applications.

Perfect handling with finger-lift and easy to trim with a knife.

Standardized total width of 12 mm in lengths of 700 mm.

## Guidelines for creasing and diecutting with CITO STANDARD

gsm	material thickness/mm	creasing rule height/mm	1.5 pt. 0.52 mm	2 pt. 0.71 mm	3 pt. 1.05 mm	4 pt. 1.42 mm
to 100	0.10	23.50	0.3 × 0.8			
150-190	0.15-0.25	23.50	0.3 × 1.0			
200-220	0.26-0.34	23.50	0.3 × 1.2			
230-280	0.35-0.40	23.40	0.4 × 1.3			
290-330	0.42-0.47	23.40	0.4 × 1.5			
350-400	0.50-0.56	23.30	0.5 × 1.5			
410-450	0.57-0.63	23.20	0.6 × 1.7		0.6 × 1.9	
460-500	0.64-0.70	23.10	0.6 × 2.1			
520-600	0.72-0.84	22.90	0.8 × 2.5		0.8 × 2.7	
620-700	0.86-0.98	22.80	1.0 × 2.7		1.0 × 3.0	
F-flute	0.46-0.50	23.20	0.5 × 1.5		0.5 × 1.7	
E-flute	0.60-0.69	23.10	0.6 × 1.9		0.6 × 2.1	
E-flute	0.70-0.80	23.00	0.8 × 2.5		0.8 × 2.7	
B-flute	0.81-0.89	22.90	0.8 × 2.7		0.8 × 3.0	
B-flute	0.90-0.96	22.80	1.0 × 2.7		1.0 × 3.0	

Combination with other crease widths may increase the creasing quality.

# CITO BASIC



The optimum creasing system for small and medium runs, film-based with plastic shoulders, with an unbeatable combination of price and performance. No adjustment of the steel rule heights necessary.

CITO BASIC comes in 87 different sizes

for the converting of boxboard and corrugated board. As a matter of course, perfect handling with finger-lift and easy to trim with a knife.

Available in total widths of 10 mm, 12 mm and 15 mm. Total length: 700 mm.

## Perfectly cutting ...



For cutting of the creasing strip to the exact length both ends are cut to mitre at the same time.

Available as manually operated cutter with lateral adjustment stop and aid for centric cutting or as scissors.

# CITO PLAST



The extremely strong bonding between the metal base and plastic shoulders provides total security.

The smooth top surface reduces optical degradation of the material, increasing production output. And of course, perfect handling through finger-lift.

#### **CITO PLAST plus:**

Metal-based creasing system for all applications with reduced crease rule height.

#### **CITO PLAST Off-Center:**

Metal-based creasing system individually usable for double creasing and for small spaces between cutting and creasing rules.

#### **CITO PLAST Double Crease:**

Double creasing on a metal base for material between 200 – 300 gsm.

#### **CITO PLAST Reverse Crease:**

The innovative solution for the perfect reverse crease (e.g. cutting from the reverse side).

The special locator centres the reverse crease exactly between the creasing rules, thus the crease and reverse crease are of the same quality.

#### **CITO PLAST Hinge Crease:**

Special product for corrugated board requiring creases that can be folded on both sides up to 90 degrees.



# Born from practice ... for practice

## Current seminars

### From printed sheet to folding box

The basic seminar for converters of folding box board and corrugated board

### Crisis management in production

The intensive course to extend your knowledge of converting folding box board and corrugated board

## Venue

CITO Seminar and Training Center  
Schwaig bei Nürnberg/Germany

## Inhouse Trainings

Tailored seminars in your own company

You will find more details (dates, prices etc.) for these and other CITO seminars in the seminar leaflets which we will send you upon request.