



MODULES AND MILL PACKAGES 2009 PRICE LIST 2009

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1. PRICES For one mill (per location)

If you want to select only a few specific modules:

1. Price per module: \$1,175 per year

If you are interested in all modules for your production process we offer a package price.

2. Package prices:

Year license Paper & Board mills (year license fees for up to 24 modules)			
Duration	0 – 100 employees	101 – 250 employees	> 251 employees
Trial version 3 months*	\$2250.00	\$3,000.00	\$3,500.00
1 year	\$6500.00	\$8,500.00	\$10,500.00
2 year	\$5,000.00	\$6,700.00	\$8,250.00
3 years	\$3,200.00	\$4,200.00	\$5,200.00
Year license Corrugated Board plants (year license fees for up to 14 modules)			
Duration	0 – 50 employees	51 – 150 employees	> 150 employees
Trial version 3 months*	\$1,500.00	\$2,000.00	\$2,500.00
1 year	\$4,000.00	\$5,500.00	\$6,800.00
2 year	\$3,200.00	\$4,000.00	\$5,300.00
3 years	\$2,250.00	\$3,000.00	\$3,800.00

- When you buy a license for one or more years after the trial period of 3 months you get the price for the trial version back.
- Prices listed in US Dollars
- Language English. Other languages available Dutch, German, French.

Special prices on request for:

- A. **Multiple locations** (multiple mills from one company in one license fee contract)
- B. **Schools** (reduced prices - 20% to 25 %)
- C. **Single users** (only in combination with school license)
- D. **Freelance trainers** (reduced prices for classroom presentations)

Conditions

- The Paper & Board package price is calculated up to a maximum of 24 modules – Additional modules \$310 a year apiece.
- The Corrugated Board package price is calculated up to a maximum of 14 modules – Additional modules \$310 a year apiece.
- All prices exclude tax and delivery costs.
- All mill licenses are for the 30 users (at the same time) at one location.
- Trial version includes one hardware key
- Packages include one server hardware key and one single user hardware key (additional hardware keys \$150 per key)

2. Modules and Packages

You can select from all modules or one of the following packages.

Paper & Board Modules

Twenty one modules cover topics such as pulp preparation, the paper machine and paper processing.

P1: Paper Properties	<ul style="list-style-type: none"> - Composition and properties of raw materials - Effects on the properties of the end product - Effects of the machines and raw materials on the paper - Effects on properties during production - Changing properties after production <p>Based on the application of the end product.</p>
P4: Stock Preparation Virgin Fiber	<ul style="list-style-type: none"> - Defibrating - Measuring and controlling consistency - Stock cleaning - Knotting - Beating and preparing additives
P5: Stock Preparation Recycled Fiber	<ul style="list-style-type: none"> - Properties of old paper as a raw material - Measuring and controlling consistency - Defibrating - Cleansing - De-inking - Bleaching

P6: Stock Approach System	<ul style="list-style-type: none"> - Mixing - Diluting - Centrifugal cleaning - Screen cleaning - Deaerating - Primary recycling circuit
P7: Web Forming: Cylinder Mold	<ul style="list-style-type: none"> - Theory of web formation - Impacts on web formation - Cylinder mold equipment - Measuring and controlling during cylinder molding - Watermarks - Multi-ply web formation
P8 Web forming: Fourdrinier and Twin Wire	<ul style="list-style-type: none"> - Different types of stock feed sections - Turbulence - Forming and directing flows - Web formation process - Elements of dewatering - Controllers - Paper properties
P9 Water Systems and Fiber Recovery	<ul style="list-style-type: none"> - Water management - Water consumption - Water recycling - Aspects of quality - Cleaning - Recovering raw materials
P10 Wet End Chemistry and Additives	<ul style="list-style-type: none"> - Retention agents - Wet strength agents - Anti-foaming agents - Anti-slime and binding agents - Glue and coloring materials
P11 Vacuum Systems	<ul style="list-style-type: none"> - Pumping - Vacuum separation - Screen vacuum boxes - Couch rolls - Felt vacuum boxes - Q-H diagram - Energy consumption
P12 Wet Pressing	<ul style="list-style-type: none"> - Press processes - Equipment - Pressing felt - Operating - Vibration - Measuring and controlling during pressing - Felt conditioning

P13 Drying Steam and Condensate Systems	<ul style="list-style-type: none"> - Equipment - Heat transfer - Impacts on the drying process - Control cycles - Steam and condensate system
P14 Drying Ventilation and Heat Recovery	<ul style="list-style-type: none"> - Dryer hood ventilation - Heat recovery - Equipment such as dryer hoods and pocket ventilation systems - Absolute and relative humidity - Dew point, wet-bulb and dry-bulb temperatures.
P16 Pigment Coating	<ul style="list-style-type: none"> - Mixing - Application - Post-drying - Effects on the properties of paper - Coating kitchen
P17 Calendering	<ul style="list-style-type: none"> - Compressibility - Line pressure - Nip pressure - Specific pressure - Retention - Nip width - Smoothness - Crowning
P18 Winding and Slitting	<ul style="list-style-type: none"> - Rolls - Blades - Loads - Controllers and regulators - Types of roll cutting machines
P19 Process Control	<ul style="list-style-type: none"> - Statistics - In-line measurements - How the sensors in the measuring head work - Longitudinal controls - Lateral profile controls - Construction and working of a process computer system
P20 Paper Machine	<p><i>This module is for people who do not work directly with paper machines but need to know how the machine works.</i></p> <ul style="list-style-type: none"> - All processes of the paper machine
P21 Tissue Machine	<p><i>This module is for mills producing tissue.</i></p> <ul style="list-style-type: none"> - Pressing - Yankee cylinder - Gas-fired hood - Creping - Softness

P24.2 Finishing Tissue Folding	<ul style="list-style-type: none"> - Unwinding - Embossing - Winding - Gluing and storage - Cutting - Small packages - Large packages - <p><i>Special attention was paid to the processing of tissue.</i></p>
P30 Troubleshooting	<ul style="list-style-type: none"> - What is a problem (causes, consequences and symptoms)? - Detecting the problem - Examining the problem - Analyzing the problem - Resolving the problem - Finishing the problem - <p>The methodology is applied to circumstances in actual paper mills, and practical problems are addressed through case studies.</p>
P31 Applied Statistics	<ul style="list-style-type: none"> - Frequency table - Histogram or bar chart - Average - Mode - Range of distribution - Variance - Standard deviation - Data - Distributions (showing, describing, normal distribution) - Relationships (distribution curve, least squares regression, correlation, consequences of cause) - Calculating probability (probability models, stochastic variables, forecasts and variance) <p>The subjects are applied to conditions in paper mills including profiles (moist and dry paper in CD/MD), DCS results and laboratory quality checks.</p>

Corrugated Board

Seven modules cover topics such as the corrugated board machine, die-cutting, and gluing and folding.

G2 Corrugater, Wet Section	<ul style="list-style-type: none"> - Controls - Controllers - Effect of machine speeds - Web control - Glue preparation - Effect of the felt load on heat transfer
G3 Corrugater, Dry Section and Process Control	<ul style="list-style-type: none"> - Function, construction and running of various machines, cutting and scoring tools - Changing orders - Web speed - Web tension - Stacking - Output of products and trim - Corrugated board manufacturing process

G5 Flat Die Cutting	<ul style="list-style-type: none"> - Die-cutting and scoring lines - Mounting ejection rubber on the die board - Equipment - Machine transport - Assembly/disassembly - Rotary die cutting - Stacking - Flexographic printing (short)
G6 Rotary Die-cutting	<ul style="list-style-type: none"> - Working of various die-cutting machines - Ejection unit - Cutting dies - Machine speeds - Risk of breaks - Equipping the cutting die with a rubber - Stacking - Flexographic printing (short)
G7 Flexo, Folder, Gluer	<ul style="list-style-type: none"> - Feeding - Printing - Scoring - Cutting - Gluing - Folding - Assembling - Stacking
G8 Folding & Gluing	<ul style="list-style-type: none"> - Working and maintenance of the glue system in use - Properties of types of glue - Set up and test running a fold line machine - Production - Troubleshooting - Stacking
G10 Troubleshooting	<ul style="list-style-type: none"> - What is a problem (causes, consequences and symptoms)? - Detecting the problem - Examining the problem - Analyzing the problem - Resolving the problem - Finishing the problem <p>The methodology is explained by means of case studies and practical problems from the corrugated board industry.</p>

Coming Soon

Corrugated board

G1. Paper and Corrugated Board Quality

G4. Printing Techniques and Flexo Print

2 A.1

Uncoated Fine Paper Package

Paper & Board + General Modules	Code
Paper properties - raw materials and pulp & paper processes	P1
Stock preparation: virgin fiber	P4
Stock approach system	P6
Web forming: Fourdrinier and twin wire	P8
Water systems and fiber recovery	P9
Wet end chemistry and additives	P10
Vacuum systems	P11
Wet pressing	P12
Drying: steam and condensate systems	P13
Drying: ventilation and heat recovery	P14
Calendering	P17
Winding and slitting	P18
Process control	P19
Paper machine	P20
Trouble Shooting	P30
Applied Statistics	P31
TOTAL	16 modules

2 A.2

Newsprint and Supercalendered Package

Paper & Board + General Modules	Code
Paper properties - raw materials and pulp & paper processes	P1
Stock preparation: recycled fiber including Deinking	P5
Stock approach system	P6
Web forming: Fourdrinier and twin wire	P8
Water systems and fiber recovery	P9
Wet end chemistry and additives	P10
Vacuum systems	P11
Wet pressing	P12
Drying: steam and condensate systems	P13
Drying: ventilation and heat recovery	P14
Calendering	P17
Winding and slitting	P18
Process control	P19
Paper machine	P20
Trouble Shooting	P30
Applied Statistics	P31
Total	16 modules

2 A.3

Coated Papers Package

Paper & Board + General Modules	Code
Paper properties - raw materials and pulp & paper processes	P1
Stock preparation: virgin fiber	P4
Stock approach system	P6
Web forming: Fourdrinier and twin wire	P8
Water systems and fiber recovery	P9
Wet end chemistry and additives	P10
Vacuum systems	P11
Wet pressing	P12
Drying: steam and condensate systems	P13
Drying: ventilation and heat recovery	P14
Pigment coating	P16
Calendering	P17
Winding and slitting	P18
Process control	P19
Paper machine	P20
Trouble Shooting	P30
Applied Statistics	P31
Total	17 modules

2 B.1

Folding Boxboard Package

Paper & Board + General Modules	Code
Paper properties - raw materials and pulp & paper processes	P1
Stock preparation: virgin fiber *	P4 *
Stock preparation: recycled fiber including Deinking *	P5 *
Stock approach system	P6
Web forming: cylinder mould *	P7 *
Web forming: Fourdrinier and twin wire *	P8 *
Water systems and fiber recovery	P9
Wet end chemistry and additives	P10
Vacuum systems	P11
Wet pressing	P12
Drying: steam and condensate systems	P13
Drying: ventilation and heat recovery	P14
Pigment coating	P16
Winding and slitting	P18
Process control	P19
Paper machine	P20
Trouble Shooting	P30
Applied Statistics	P31
Total	14 modules
Optional(*)	4 optional

2 B.2

Solid Board Package

Paper & Board + General Modules	Code
Paper properties - raw materials and pulp & paper processes	P1
Stock preparation: virgin fiber *	P4 *
Stock preparation: recycled fiber including Deinking *	P5 *
Stock approach system	P6
Web forming: cylinder mould *	P7 *
Web forming: Fourdrinier and twin wire *	P8 *
Water systems and fiber recovery	P9
Wet end chemistry and additives	P10
Vacuum systems	P11
Wet pressing	P12
Drying: steam and condensate systems	P13
Drying: ventilation and heat recovery	P14
Calendering	P17
Winding and slitting *	P18 *
Process control	P19
Paper machine	P20
Trouble Shooting	P30
Applied Statistics	P31
Total	13 modules
Optional(*)	5 modules

2 B.3

Container Board Package

Paper & Board + General Modules	Code
Paper properties - raw materials and pulp & paper processes	P1
Stock preparation: virgin fiber *	P4 *
Stock preparation: recycled fiber	P5
Stock approach system	P6
Web forming: Fourdrinier and twin wire	P8
Water systems and fiber recovery	P9
Wet end chemistry and additives	P10
Vacuum systems	P11
Wet pressing	P12
Drying: steam and condensate systems	P13
Drying: ventilation and heat recovery	P14
Winding and slitting	P18
Process control	P19
Paper machine	P20
Trouble Shooting	P30
Applied Statistics	P31
Total	15 modules
Optional(*)	1 module

2 C.

Tissue & Hygiene Papers Package

Paper & Board + General Modules	Code
Paper properties - raw materials and pulp & paper processes	P1
Stock preparation: virgin fiber *	P4 *
Stock preparation: recycled fiber including Deinking *	P5 *
Stock approach system	P6
Web forming: Fourdrinier and twin wire	P8
Water systems and fiber recovery	P9
Wet end chemistry and additives	P10
Vacuum systems	P11
Process control	P19
Tissue machine	P21
Finishing machines tissue	P24.2
Trouble Shooting	P30
Applied Statistics	P31
Total	11 modules
Optional(*)	2 modules

2 D. Corrugated Board Package

Corrugated Board	Code
Corrugater, wet section	G2
Corrugater, dry section and process control	G3
Flat Die cutting	G5
Rotary Die cutting	G6
Inline Converting	G7
Folding & gluing	G8
Trouble shooting	G10
Total	7 modules



Order-form FOCUS license

Send or fax this form to:

TDC-BV
Anklaarseweg 95
7317 AS Apeldoorn
The Netherlands

Tel: 0031 (0)55 576 00 07
Fax: 0031 (0)55 577 71 77

Or:

Mary Beth Cornell
Training Director
TAPPI
15 Technology Parkway S
Norcross, GA 30092 USA

Tel: +1 770-209-7210
email: mcornell@tappi.org

Company name:	
Number of employees at your mill:	

Name contact person:	
Telephone:	
e-mail:	

Address for delivery:	
Street:	
Code:	
Town:	
Country:	

Invoice address:	
Street:	
Code:	
Town:	
Country:	

The FOCUS modules have to be delivered in the following language:

English German French Dutch

Costs (see www.focustraining.eu). Calculated total yearly fee: US\$

Date: _____ Name: _____ Signature: _____

Only for local agent to fill in.		
TDC agent:	Name:	Signature:

Prices are exclusive of tax and delivery costs.

Payment must be made within 3 weeks after delivery.

No return of modules (DVD's) will be accepted.

The license agreement is applicable from the moment you open the packaging of the modules.

TAPPI*15 Technology Parkway S*Norcross*GA*30092*USA +1 770-446-1400

www.tappi.org

We need some information about the way you are going to install the modules because you get one hardware key for free (without these, the modules can not be installed and will not work).	
Are you going to install the modules on a server in a local area network?	YES / NO
If “NO”: On how many stand-alone computers are you planning to install the modules? (additional hardware keys are available for \$150 per key)	

Mark the modules you want to order in the right column.

Paper, Board and Tissue modules	Code	Trial version	License		
			Number of years		
		3 months	1	2	3
Paper properties	P1				
Mechanical pulping I(not available in English)	P2.1				
Mechanical pulping II (not available in English)	P2.2				
Chemical pulping I(not available in English)	P3.1				
Chemical pulping II Bleaching(not available in English)	P3.2				
Stock preparation: virgin fiber	P4				
Stock preparation: recycled fiber	P5				
Stock approach system	P6				
Web forming: cylinder mold	P7				
Web forming: Fourdrinier and twin wire	P8				
Water systems and fiber recovery	P9				
Wet end chemistry and additives	P10				
Vacuum systems	P11				
Wet pressing	P12				
Drying: steam and condensate systems	P13				
Drying: ventilation and heat recovery	P14				
Surface sizing(not available in English)	P15				
Pigment coating	P16				
Calendering	P17				
Winding and slitting	P18				
Process control	P19				
Paper & Board machine	P20				
Tissue machine	P21				
Finishing machines Tissue Winding(not available in English)	P24.1				
Finishing machines Tissue Folding	P24.2				
Finishing machines Tissue Wrapping(not available in English)	P24.3				
Trouble Shooting	P30				
Statistics	P31				
Safety(not available in English)	P33				

Prices are exclusive tax and delivery costs.

Payment must be done within 3 weeks after delivery.

No return of modules (DVD's) will be accepted.

The license agreement is applicable from the moment you open the packaging of the modules.

We need some information about the way you are going to install the modules because you get one hardware key for free (without these, the modules can not be installed and will not work).	
Are you going to install the modules on a server in a local area network?	YES / NO
If "NO": On how many stand-alone computers are you planning to install the modules? (additional hardware keys are available for \$150 per key)	

Mark the modules you want to order in the right column.

Corrugated Board modules	Code	Trial version	License		
			Number of years		
		3 months	1	2	3
Paper and semi finished(Coming soon in English)	G1				
Corrugater, wet section	G2				
Corrugater, dry section and process control	G3				
Printing techniques (Coming soon in English)	G4.1				
Flexoprinting, colouring, Inks, Dyeing (Coming soon in English)	G4.2				
Flat Die cutting	G5				
Rotary Die cutting	G6				
Inliner	G7				
Folding & gluing	G8				
Trouble shooting	G10				
Safety & Hygiene(not available in English)	G12				

Prices are exclusive tax and delivery costs.

Payment must be done within 3 weeks after delivery.

No return of modules (DVD's) will be accepted.

The license agreement is applicable from the moment you open the packaging of the modules.