

We produce roller coverings for all types of printing machines

- Sheetfed
- Web
- Continuous
- Letter Press
- Exchange on these machine models:
 - Heidelberg
 - Roland
 - Komori and
 - Mitsubishi Machines etc.



Contact us for a quotation

We pride ourselves on our competitive pricing and our fast turnaround, while maintaining the highest quality.



威德草(馬)有限公司

VERSTAERKER.ROLLE (M) SDN BHD (185138-T) Print-Roller Manufacturing (M) Sdn Bhd (473904 X) Polythane Supplies (M) Sdn Bhd (473440 U)

Lot 40, Jalan P10/16, Taman Industri Selaman, 43650 Bandar Baru Bangi, Selangor, Malaysia. Tel: 603-8926 9888 | Fax: 603-8926 9688 | Email: info@verstaerkerrolle.com, info@print-roller.com

No. 72 Ground Floor, Lebuh Raya Kapal, Chain Ferry Complex, 12100, Butterworth, Penang. Malaysia. Tel: 604-3311 282 | Fax: 604-3311 282

Company profile

Verstaerker Rolle (M) Sdn Bhd has been established since 1989. From humble beginnings, we are proud to have progressed into one of the leading suppliers of rubber rollers in Malaysia. Production of rubber rollers has increased many folds since, in line with our growth and expansion. Currently Verstaerker Rolle (M) Sdn Bhd has a workforce of about 100 personnel.

TEL: +603-89269888

Our main activity is the manufacture of natural and synthetic rubber rollers for use in various industries. A greater part of our sales effort is concentrated in the paper printing industries, as this industry uses a great quantity of rollers that must be of high precision and quality.

Our knowledge and understanding of various polymers has also led us to diversify into the production of moulded rubber parts to fulfill the different needs and applications required by many industries.

Polyurethane material has outstanding properties which have led to increased usage by all industries. Due to this, the production of castable polyurethane products was started 10 years ago through our subsidiary company, Polythane Supplies (M) Sdn Bhd.

As customer satisfaction is our never ending focus, everything is done with their current and future requirements in mind, continuous efforts are made to improve and maintain the highest quality. We are also happy to advise customers who seek our knowledge and experience to improve productivity.

To sum it all up, our mission is to manufacture rubber rollers of the highest quality in order to ensure the happiness of our main priority - our customers.



Offset Lithographic Printing Rollers

We manufacture high quality rubber rollers for sheet fed and web presses. These rollers offer savings in the long run on roller replacement and maintenance costs.

These rollers have a long service life and are glaze resistant while maintaining the flexibility of rubber for a longer time thus requiring less N roller replacement.RELEASE

They are dimensionally stable with excellent ink transferability. The rollers also maintain nip-width for much longer which means that time is saved on resetting which in turn reduces downtime and operating costs. OPYRIGHT BY

These advantages mean our rollers give you precise and even transfer of ink and dampening solutions, resulting in excellent and consistent printing requiring only minor adjustments. This enables you to keep the presses running longer with optimum printing results.

Our web press rollers are designed to withstand the extreme demands that newspaper and web presses subject them to. They resist shrinking caused by

soy-based inks, meaning that they can run longer without the need for resetting. Other excellent characteristics include low heat build-up, superior ink transferability, abrasion resistant and less deterioration with age. They also deliver the precision necessary for colour printing which is becoming increasingly common in newspapers.

To put it simply, our rollers lower overall costs. This is due to the fact that they last longer, require less change ERST and maintenance, fewer adjustments and resetting, deliver good results even after extended use, easy to clean, B and able to perform millions of impressions.

Other Rubber Parts

Types of rubber

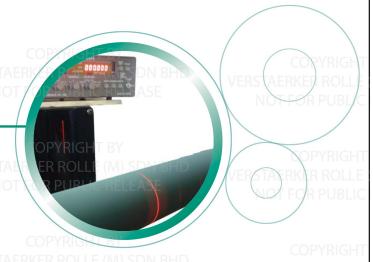
- Natural Rubber
- Styrene Butadiene Rubber R GHT BY
- Nitrile Rubber (M) SDN BHD
- Neoprene Rubber
- Nitrile PVC
- EPDM
- Silicone GHT BY
- Polyurethane
 None of the second sec
- Viton
- Butyl PUBLIC RELEASE





Quality Control

In order to produce a stabilized product and make necessary improvements, we have a system of total quality control that inspects the product begining with the base materials used in the final product.



Roughness Tester

Roughness tester to confirm a surface's suitability for its function, to measure the hills and valleys of the surface undulation. Surface measurement using the international standard of Ra or Rz.

Grinding/Finishing

Your rollers are precision ground within the exact <u>limits</u> for diameter concentricity and straightness.



Repair & New Core Fabrication

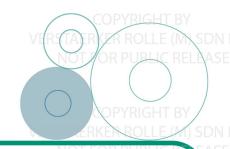
With an in-house, full service machine shop, we have the technology and resources to handle jobs from a simple journal repair to the fabrication of a new core. Rapid response to roller repairs and rubber cover recoating to provide on time delivery is our commitment to our customers.

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RILSAN Rollers





Rilsan Fine Powder coated rollers resist heavy abrasion and attack from solvent and inks. The mechanical and chemical resistant properties of Rilsan Fine Powder increase the service life of rollers used in newspaper and other printing presses.

Coating characteristics

- Excellent corrosion resistance
- High impact resistance
- Electrical insulation ERKER ROLLE (M)
- Abrasion resistance FOR PUBLIC RELE Taber test: 12mg after 1000 cycles (Wheel CS 17, load 1 kg (ISO 9352)
- Hardness Shore D:75 (ISO868)
- Surface aspect
 Roughness: 2-4µm variations
 after machining
- Low friction
 Coefficient of friction (NFT 54-112)
 Static K: 0,15 to 0,3
 Dynamic K: 0, 05 to 0, 2
- Resistance to inks and ink solvants
 - Compatibility with food products
 - Good hygienic properties? PUBLIC RELE
 - Long service life
 - Easy to clean





Folding Rollers

For folding machines

- MBO, Stahl, H & H, Shoei etc

Other characteristics

- High bond strength
- Concentricity
- Straightness

Polyurethane material with these properties:

- Extremely high wear resistance AFRICE R
- Excellent resistance to tear
- Excellent oil and fuel resistance
- Heat resistance up to 140°C

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Outwear other rubber by factor of 10 to 1





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VR Eco

Rubber Inking Rollers for Offset Printing using various types of Vegetable Ink, Soy Ink, Non- Aromatic Ink of FOR PUBLIC RELEASE NOT FOR PUBLIC RELEASE

- Excellent dimensional stability with environmentally friendly ink
- OPYR Minimal hardness increase COPYRIGHT BY
- Glaze resistance
- TERRIFICE Extraordinary small heat generation even during the high speed runs which [M] SPN [NOT FOR PUBLIC RELEASE lead to:
 - Minimal changes of the nip-width
 - OPYRI— Smaller changes of ink viscosity
- AER (ER ROLL More Stable printing quality

Drying Characteristic Test

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Method: Put the ink which have been kneaded on each material roller and check ink drying hourly. NOT FOR PUBLIC RELEASE

Test Temperature: Room Temperature

AER KE** Remarks: Level of Drying STAERKER ROLLE (M) SDN BHD

Beginning

Dry Completely

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1. Conventional Ink – Aroma Free (Magenta) – Made in Japan

Material	Beginning	2 hrs	4 hrs	6 hrs	8 hrs	24 hrs
VR Eco	N BHD	1 COF	YRIGHT BY	2	3	4 OPYR
IC NR EAS	SE O VE	RSTAFRKER	ROLJE (IVI	SDN4BHD	4/ERS	TAERI 5 ER RO

2. Soy Ink (for multiple color machines/ Magenta) – Made in Japan

Ĺ	Material	Beginning	2 hrs	RO ₄ hrs	6 hrs	8 hrs	A 24 hrs
	VR Eco	0	NO 10 FOR	LORL'C KEI	EASE ₂	2 N	OT F 3 R PU
	VR	0	2	2	2	3	4

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VR.UV."UV roller"

For UV Offset Printing, Label Printing, etc

- /ER TAER* Excellent Ink Transfer
 - Excellent Stability
 - Less Ink Glazing
 - Excellent Dot Reproduction

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VERSTAERKER ROLLE

Recommended products for UV ink printing VERSTAERKER ROLLE (M) SDN BHD

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CODVDIGHT RV	DP 30 Dual Purpose	UP 30 Dual Purpose	UE 30 UV only
Physical Property	Good COPYR	Fair ^{BY}	Good COPYRIGH
Resistance to UV ink	Good NOT FOR PL	Excellent BHD BLIC RELEASE	Good STAERKER ROLLE NOT FOR PUBLIC
Resistance to Oil – based∃ink BY	Good	Excellent	Bad
Switching from N BHD UV - Oil based ink	Break – in time required	Break – in time required	Cannot use with oil – based ink
Aromatic Wash (e.g Toluene)	Good	Excellent	Bad NOTFOR PUBLIC
Aliphatic Wash (e.g. oil)	Execellent COPYR VERSTAERKER R	Excellent OLLE (M) SDN BHD	Bad COPYRIGH
Ester, Ketone Wash	Bad NOT FOR PU	BadRELEASE	Excellent T FOR PUBLI
Alcohol Wash	Good	Good	Excellent
Ink Dryness	Fair COPY	Good	Excellent
Ink Transferability - Lable Printing - Offset Printing	VERSTAERKER R Good NOT FOR PU Excellent	OLLE (M) SDN BHD JB Excellent SE Excellent	Good NOT FOR PUBLIC
Hydrolysis KER ROLLE (M) SDN BHD	No COPYE VERSTAERKER R	After a certain	No COPYRIGH

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連続給水用ゴムローラ

ウォータマンシリーズ"ニューW4"

ノンアルコール用 連続給水ローラ

VATERMAN Series "NEW W4" OLL Continuous Water Dampening Rollers for Non-alcohol printing

Continuous Water Dampening Rollers OR PUBLIC RELEASE

VERSTAERKER ROLLE (M) SDN E NOT FOR PUBLIC RELEASE

'ERSTAERKER ROLLE (M) SIN E

ウォータマンシリーズの特長

PLIC RELEASE 1) 新配合の高親水性付与により、均一で薄い水膜を長期

- 間安定して形成できます。 2) 環境対応インキに対して、経時変化が小さいので長期
- 間安定してご使用できます。 3) インキガラミ、堆積が少ないので長時間安定して使用 T By
- 4) 水幅が広いので給水量の調整が簡単です。
- 5) 触感がソフトで、版が長持ちします。
- 6) IPA及びエッチ液に対して強い抵抗性があります。

Features of WATERMAN Series COPYRIGHT BY

- 1) An even and thin layer of water is formed for a long_E/ SE period by giving new blend of hydrophilicity.
- As it is hardly aged by eco-friendly inks, you can use it long period stably.
- 3) Less ink fill-in and accumulation to maintain stable, long-term use.
- 4) Easy to adjust the water supply because the water supplied area is wide/ERSTAERKER ROLLE (M) SI
- OR PUBLIC RE 5). The soft touch surface provides longer plate life.
 - 6) Strong resistance to IPA and fountain solution.

ウォータマンシリーズの親水性

Hydrophilic properties of WATERMAN Series

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ウォータマンシリーズの使用上の注意

R ☆通常の印刷では、昼、夕方、印刷終了時の1日3回の洗 浄をお勧めします。

☆特色インキ(金、銀、蛍光、UVなど)をご使用の場合は、水元(調量)ローラにインキが絡み易く、しかも除去しにくいので、洗浄回数を増やして下さい。

☆塩素系溶剤及びケトン類等の極性溶剤のご使用は避け ERROLで下さい。ONBHD Care of WATERMAN Series ROLLERS

- * In normal printing, we recommend cleaning three times a day: at noon, in the evening, and when finished printing.
- * When using special ink colors (e.g. metallic, fluorescent, or UV), the ink tends to adhere on the water fountain (metering) roller, and is not removed easily, so we recommend cleaning this more frequently.
- * Do not use chlorine solvents or polarized solvents such as ketone.

※洗浄には、弊社「ニューマチックリーンECO」ので使 RE * We recommend our NEW MATICLEAN ECO for cleaning.
用をお勧め致します。

色調:濃緑色

ERKE®ROLLE (M) SON BHD

硬 さ:20・25・30

Color: Dark Green

Hardness (JIS-A): 20/25/30

Address: LOT 40, JLN P10/16, TMN INDUSTRI SELAMAN, 43650 BANDAR BARU BANGI, SEL, MALAYSIA.

Always be high in quality

Quality is not something that is naturally born; it is something (M) SE that is created. We will continue to deliver trusted products that RELEA are based upon the highest standard of quality control.

Our Production activities are based on the philosophy that "Product Quality is Created." It is not something that is naturally born. Quality is created by effectively monitoring closely the production processes from the raw materials to the finished products, and thereby creating a unified system of production. We do our best to take into consideration about demands from our customers as well as feedback from employees in the production process of our products. Since the founding of our company, we have continued to uphold this to the motto "Only deliver to the customer the products that can be trusted." We are more aware than anyone else that this trust is based on the quality of the products that we deliver to our customers.



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Our Products



Antistatic Roller STA FRICER ROLLE (M) SDN B-Wash Up Blade

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Examples of Applications:

STEEL AND METAL INDUSTRY

Varnishing rollers, press rollers, fountain rollers with good homogeneity and constant stability.

TEL: +603-89269888

WOOD AND FURNITURE INDUSTRY

Contact rollers, varnish rollers, glue spreading rollers for an even application and a RELEASE perfect surface finish.

PAPER INDUSTRY

Couch rollers, wet press rollers, size press rollers, spreader rollers.

TEXTILE INDUSTRY OF FOR PUBLIC RELEASE

Calender and dyeing rollers, press rollers, spreader rollers.

PLASTICS INDUSTRY

Back up rollers for embossing, grooving rollers, guide rollers, spreader rollers. ROLLE (M) SDN

GENERAL ENGINEERING

Conveyor rollers, driving rollers, lift truck rollers, press rollers, pressure rollers, coating rollers, etc.

