# MASROLL® System

is a functional processing roll system, to absorb fluid, and to dischrage the fluid from the processing system.

It also works to apply fluid.

Working with distinctive Masroll construction, system composition, fluid-dynamic differential pressure induction, micro-fiber composite material properties, and micro-capillaries action,

Masroll is especiall highly trusted and renowned, in the advanced processing scenes where utmost fluid removal, its uniformity, quality finish and durable consitency really count.



USP, EPC, JP and others - in major 12 countires granted (JP 4484168, etc.) and/or being applied

## Information Request / Inquiry

Please ask Masroll agent or local sales associates for inquiry and consultaion service

#### North America

Chadwick Engineering (Local Sales & Servicing Central)
Vail Rubber Works (Local Sales & Servicing Central) Europe, South America, Africa:

Masroll European Operations (Official Agent / Local Sales Central) Osborn International (Local Sales & Servicing) Wöhler Technik (Local Sales & Servicing)

Corporate web site:

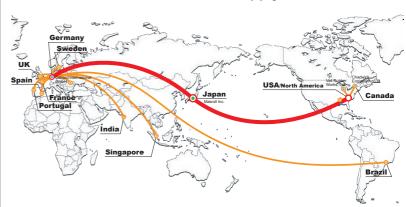
http://www.masroll.com/

**Product Catalogue** PC231110CEmn01E



# in eco-friendly world processing scenes

## International Service/Supply Network



#### Group companies, associates, partners

Masroll Systems Inc. / Masuda Seisakusho Co., Ltd.

マスロールシステムズ 株式会社 / 株式会社 増田製作所

Tel: (+81) 562-92-1211 Fax: (+81) 562-92-1217 Web site: http://www.masroll.com/

#### **North America:**

Chadwick Engineering Ltd.

Kingston, ON / Canada Tel: (+1) 613-384-2866 Web: http://www.chadwickengineering.com/

O Vail Rubber Works Inc.

St.Joseph, MI / USA Tel: (+1) 269-983-1595

Axis, AL / USA Tel: (+1) 251-675-5644

Web: http://www.vailrubber.com/

#### Europe + South America, Africa:

Masroll European Operations

London / United Kingdom Tel: (+44)7984-985-209

e-mail: j\_steele.mreu@masroll.com

Osborn International GmbH (Germany)

UK, France, Portugal, Romania, Spain, Sweden, Brazil, Singapore

Wöhler Technik GmbH (Germany)

## Masroll Systems Inc.

Operating Sales and customer service of Masroll System and its

derivatives, their engineering





Works

80-1 Nakanowari, Shinden-cho, Toyoake, Japan 470-1112

0562-92-1213 Phone 0562-92-1217 Fax Noriaki Masuda

¥30,000,000 Capital

## Masuda Seisakusho Co., Ltd.

Operating Production of

Masroll System and related products, cooperating work to assist R&D



80-1 Nakanowari, Works

Shinden-cho, Toyoake,

Japan 470-1112

0562-92-1211 Phone 0562-92-1217

Noriaki Masuda

Established in 1955

#### Affiliates

Masroll European Operations (Europe /UK)





## Quality and Consistency

For its uncomparable uniformity and consistency in processing, real high quality production and production consistency can be achieved.

#### **Ultimate Processing**

Positive fluid control by its distinctive system, shaft and roll-pad construction, and pad materials to include microfiber-elastomer composite kind, enable the level that has been unattainable before.

#### Durability

Its positive capability to maintain working functions and uncomparable resistance to wear and damages contribute to quality control, stable production, and reduction of maintenance as well.

#### **Effectiveness:**

Masroll is especially highly trusted and renowned, in the advanced processing scenes where utmost fluid removal, its uniformity, quality finish and durable consitency really

- Ultimate removal of fluid (after or before cleaning,etc.)
- Energy saving and equipment simplification achieved by the reduction of drying load
- Processing speed increase
- Upgrading in quality and production consitency by highly consisten and uniform processing capability
- Processing fluid recovery and recycling
- Fluid membrane application (coating) to various

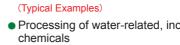
## Type of fluid handled:

Waters, oils, hydrocarbon solvents, plasticizers, acids (sulfuric, chromic, etc.), alkalines (NaOH, etc.), and other chamicals

## Field of applications and type of materials processed:

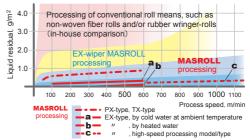
Steel and non-ferrous metals processing. Processing in automotive stamping and other metal working fields. Film and plastic sheet processing. Lead frames, PC boards and FPCs processing. Processing of various strips, hoops and sheets. Processing of roll and drum surfaces.

Pad and shaft selection to suite specific processing needs Roll-pad type: For regular processing. water or oil related For heat and chamcals .PX-type .TX-type Roll-shaft type: For high strength shaft .MR Sh-type requirementst For high speed processing condition.... MR Vh-type Others.... ..... Special purpose types



Process Characteristics:

Processing of water-related, including liquid





Micro-fibe



 Processing of oil-related 4.0 MASROLL processing 100 200 300 400 500 600 Process speed, m/mir EX-type

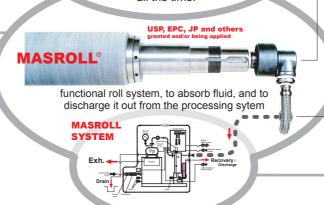
"EX-wiper Masroll" s a group product of

Fiber aggregated simple fiber-function roll, without positive fluid absorption and discharging constructions. To be used selectively for uses and purposes.

For more information. Please consult Masroll
System Customer Service

#### Customer Service

In order to provide utmost running state, quantitative measurements of state and their recordings are always with servicing, not to mention every factory dressing and roll-pad replacement. Technical support before and after Masroll introduction is also fully available all the time.



Rotary joint

## Flexible tube

- Engineering and parts selection e.g. regarding vacuum pump, discharging pump, etc. - to facilitate non-standard processing conditions are fully provided by request.
- For a vacuum system in water related application in general, Nash-type is recommended. In oil-related, Rootstype, which is either water or air cooled, is generally suggested. In case of Nash, vacuum shielding water is required. In case of water-cooled Roots, cooling water isin need.
- Inlet-separator equipment for fluid recovery can be with vacuum system, either integrally or separately.
- When connecting more than one Masroll, it is normally recommended to use a header manifold for effective flow destribution.
- When to apply reverse washing (backwash), auxiliary equipment composed of header and valve controls should normally be provided.

equipment for unique processing requirements and engineering to meet special processing needs can be provided

#### MASROLL System - typical applications • Dryer Dryer Water removal after cooling Water remova Intermeshing contact Fluidr removal after cleaning CAL Dryer ECL Single-sided contact processing ce processing of and drums Fluid removal Outlet fluid Oil removal Water removal before cleaning and after cleaning Slip prevention by fluid removal Fluid removal Dryer Dryer



Rinsing

Rotary-brush / high-pressure sprey cleaning

De-greasing



#### **EX-wiper Masroll**

Bridle Leveler

Rolling MIII

Desirable when Masrolls overdo, but conventional means are not satisfactory enough.



#### MR Wiper-block

For better simple wiping result and usability, by distinctive constructions and material properties.



For more information, inquiry, and consultation service, please ask Masroll Customer Service

#### MR Rod-wiper

Suction-activated bridle purpose

Highly efficient for exterior wiping of tubes and rods. Unseen is the mist generated by air wiping.



