

EAT AND GUIDE MACHINES VALVE REFACER PRE ESTER GRINDING MACHINES SEAT AND GUIDE ACHINES VALVE REFACER PRESSURE TESTER RINDING MACHINES SEAT AND GUIDE MAC ALVE REFACER PRESSURE TESTER GRINDI ACHINES SEAT AND GUIDE MACHINES V EFACER PRESSURE TESTER GRINDING EAT AND GUIDE MACHINES VALVE RE

# **2018** CATALOG

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ACCESSORIES CONSUMABLE SPARE PARTS











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# General conditions of sale

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### Seat and guide machines

**Crosswise inclined and vertical valve cylinder head** 

011915 - Long universal clamp 303629 - Short universal clamp

010416- Short clamping bar



For all kinds of cylinder head. Adapted on all long or short bars.

010426- Long clamping bar



For all kinds of cylinder head. Adapted on all long or short bars.

011425- Block for clamping bar



This can be used with all types of clamping system.

010432- Flat end fixture



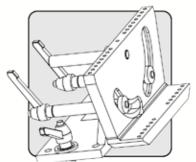
Used with both bars on tilted clamping system.

564000 - Clamp shoe



This can be used with all types of clamping system.

013958- Tilting fixture set



Used to adjust the cylinder head's angle to the head position.

564001- Screw M10



Designed to clamp flat cylinder head with vertical valves.

009259- Three arm knob



They can be used with all types of clamping system.



Orientable clamp shoe dia. 20 mm.

014039 - U parallel with T-nut

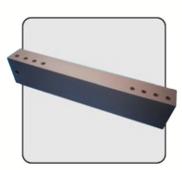


To adapt the clamping system to the cylinder head dimension. Dimension: 40 x 70 x 300 mm



M10 - 60 mm length for orientable clamp shoe

### 010434- Square riser bar



Dimension: 30 x 50 x 242 mm

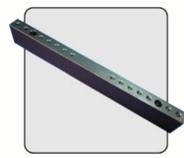


# Seat and guide machines SEROL Crosswise inclined and vertical valve cylinder head

017577- Block for clamping bar

017576- Short pin set

009796- Long pin set



To adapt the clamping system to each cylinder head dimension: Dimension: 20 x 38 x 300 mm 032475- Cursor clamping set

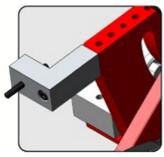


6 pins set : used to maintain all cylinder head before using tilted clamping system.

024298- Bubble level



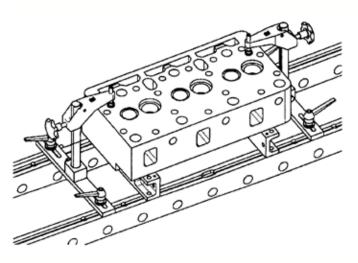
6 pins set : used to maintain all cylinder head before using tilted clamping system.

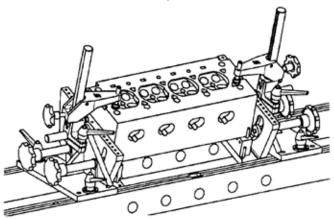


Left and right clamping set to maintain Iveco Cursor 13 head.



Easy to use; level your guides with accuracy









### Seat and guide machines Single axis rollover fixture

**033622** - Single axis roll over fixture





- . Allows quick positioning of parallel and non-parallel side heads
- . Sturdy clamping thanks to two large jaws

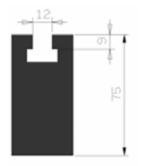
### Max cylinder head dimensions:

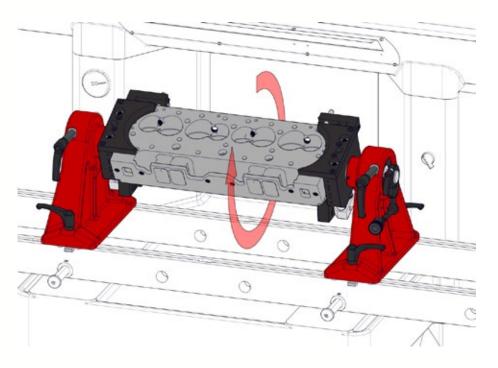
Length: 1050 mm - 41.3" Height: 195 mm - 7.7" Width: 300 mm - 11.8" **. 360° rotation** to get an easy access to all sides of the cylinder head for various jobs

**. Firm locking of the jaw's shafts** through two handles for a perfect clamping while machining.

. Supplied with a bubble level **024298 and a ratchet** 

Fits on every Serdi machines and any machines with T grooved spaced of 275 mm with the following dimensions.







# Seat and guide machines Dual axis rollover fixture

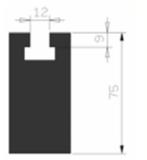


033763 - Dual axis roll over fixture

### Max cylinder head dimensions:

Length: 1050 mm - 41.3" Height: 195 mm - 7.7" Width: 300 mm - 11.8"

Fits on every Serdi machines and any machines with T grooved spaced of 275 mm with the following dimensions.



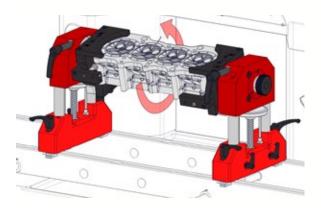


. Allows quick positioning of parallel and non-parallel side heads, even with canted valve guides.

- . Set the cylinder head at the desired level and roll it over
- . Sturdy clamping thanks to two large jaws
- . Sphere centering handles to get a quick mount of the head

**. Firm locking of the jaw's shafts** through two handles for a perfect clamping while machining.

### . Supplied with a bubble level 024298 and a ratchet

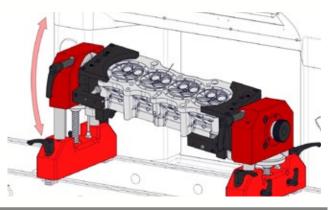


034999 - Length extended reach plate



Allows to fit cylinder heads with with odd sides.

Works on both single and dual axis rollover fixtures.



035632- Heigth extended reach plate



To lift up the cylinder head when the fixture is used on an old generation machine.

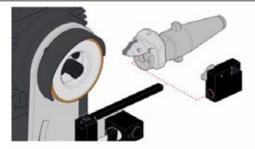


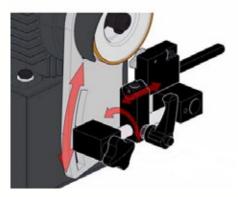


Seat and guide machines Tip sharpener

033828 - Serdi Sharpener 3500







**. Allows you to increase** the lifespan of your carbide cutting tools in a fast and easy way.

. Supplied with a Ø75 mm diamond wheel 405784

Now sharpens original and new design bits, without removing from the tool holder\*.

More tilt settings for a better surface grinding accuracy.

\*not compatible with S5731 tool holder





Fits on any SERDI tool sharpener





Only for tool sharpener part # : 010119



Only for old style Tool sharpener Serdi 3000



# Seat and guide machines **Vacuum testing**



023516 - DP8000



304697 - Vacuuum Pads



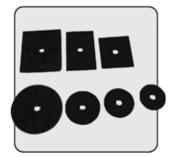
- 1 pad 87x70 mm (part# 405584)
- 1 pad 81x51 mm (part# 405585)
- 1 pad 64x56 mm (part# 405586)
- 1 pad Ø40 mm (part# 405587)
- 1 pad Ø47 mm (part# 405588)
- 1 pad Ø54 mm (part# 405589)
- 1 pad Ø80 mm (part# 405590)

### **303322 -** Precut foam pads

The vacuum tester checks if the

combination seats-valve seals.

(Come with reference 304697)



You can replace the pads on your vacuum tester.



Check the seal between the valve and the seat.

033410- Heavy duty pad



Pad 100 x 100 mm (3.93" x 3.93")

### 033411- Heavy duty pad



Pad 220 x 130 mm (8.66" x 5,1")

035805- Vacuum plugs

#### 035804- Heavy duty pad



Pad 125 x 75 mm (5" x 3")

### 700001 - Air filter





To keep the vacuum generator clean from cylinder head dust



Plugs for vacuum test.





### Seat and guide machines Controlling instruments

#### 035075 - Serdigital

Digital display micrometer allowing to measure and adjust accurately the position of the cutter to the seat diameter, without unmounting the tool-holder from the machine. This can be used with a counterboring bit and any cutter bit.

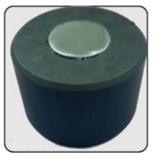
#### Specifications:

Resolution pitch :0.01 mm / .0005" Measuring unit system: Metric / Imperial Display : Digital liquid crystal Electric supply : 3V 2032 CRC battery Measuring capacity: 0 – 180 mm / 0 – 7.08" Fits on pilot from Ø 3 mm up to Ø 20 mm

**405882** - Magnetic depth stop

405580 - Setting device 4200

583101 - Dial indicator



To measure the seat housing height after machining

#### 009663 - Bluing



Used to adjust the tip holder on the tool holder.

407018- Micrometer in mm



Inch version

405956- Micrometer in Inch

Nasian stuff

Locate high spot and concentricity on the seat and seat surface. 035803- Spindle indicator



Lower spindle indicator original design.



Precisely adjust the position of the cutter to the seat diameter. 006141 - Low spindle indicator

To machine the seats to the same depth position. Metric version.



Precisely adjust the position of the cutter to the seat diameter. 035807 - Low spindle indicator



To machine the seats to the same depth position. Inch version.



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**034048 -** Toolrack

014240 - SERDI tool cart

034186 - LED Kit large size



Allows stocking tool holders, tools, pilots, pads... used with the machines S3.5 and S4.5. Contact us if you need it for another machine.



The Serdi tool cart allows stocking tool holders, tools, pilots, pads...used with the machines.



Replacement LED kit for beam. <u>034186</u>: 654x150 mm - 25.75" x 5.9" with 8 mounting screws.

### 034226 - LED Kit small size

### 010137 - Spindle nut wrench



500x150 mm - 19.7" x 5.9" with 6 mounting screws



Tightening or lossening the spindle nut with the right strength.





404029 - Diaphragm

Seat and guide machines

**Spare parts** 



For the workhead clamping system.



590001 - Spindle damper

014265 - Pneum. air switch



Spare for the table of S60 and S100

### 007623 - Regulator



Spare for S1.1, S3.0, S4.0, S100 HD and S2.0

### 010458 - Distributor



026759 - Spindle damper

290 Newton

014266 - Pneum. air switch



Spare for S1.1, S3.0, S4.0, S100 HD and S2.0

008484 - Regulator/oiler



Adjust the air flow (Come with two washers Ref.013389)

603000 - Manometer



Manometer diameter 50 mm 0 - 10 Bars



Release or clamp the air function of the machine.

603015 - Vacuometer



Vacuometer diameter 63 mm 0 to -1 bar



Main regulator of the machine (For 3.1, S100, S101).

404094 - Step axis screw



Step axis screw M 5 x 8 x 135 mm for Serdi 100







Neon tubular ligth Ø 26 LG 600 MM 18W

007526 - Spindle quill key



Old S3 / S4 machine generation quill key



Set of 2 sockets for neon tubular light

030551 - Spindle quill key



New S3 / S4 machine generation quill key

Starter for tubular neon ligth 18W



Neon tubular ligth Ø 26 Lg 438 mm - 15W

404047 - Spindle quill key



For the S60, S100, M3.1, S2.0 and S100 HD machines.

customerservice@serdi-usa.com 1-800-447-3790 (toll free)



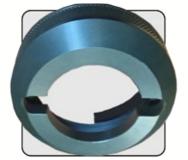
**Seat and guide machines Spare parts** 

009766 - Raw locking ring



For machines before 2003 (end of machining to perform by customer)

### 404062- Locking ring



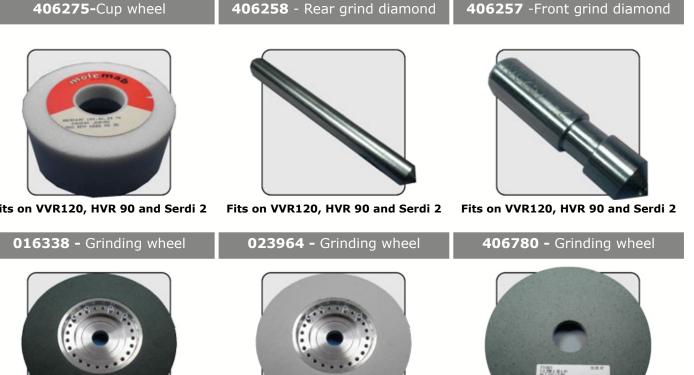
For machines after 2003



009711 - Flexible stop

To stop the machining head on the beam.





Ø200 mm standard grade Fits on Serdi 2.0



export@serdi.com 0033-4-50-65-63-00



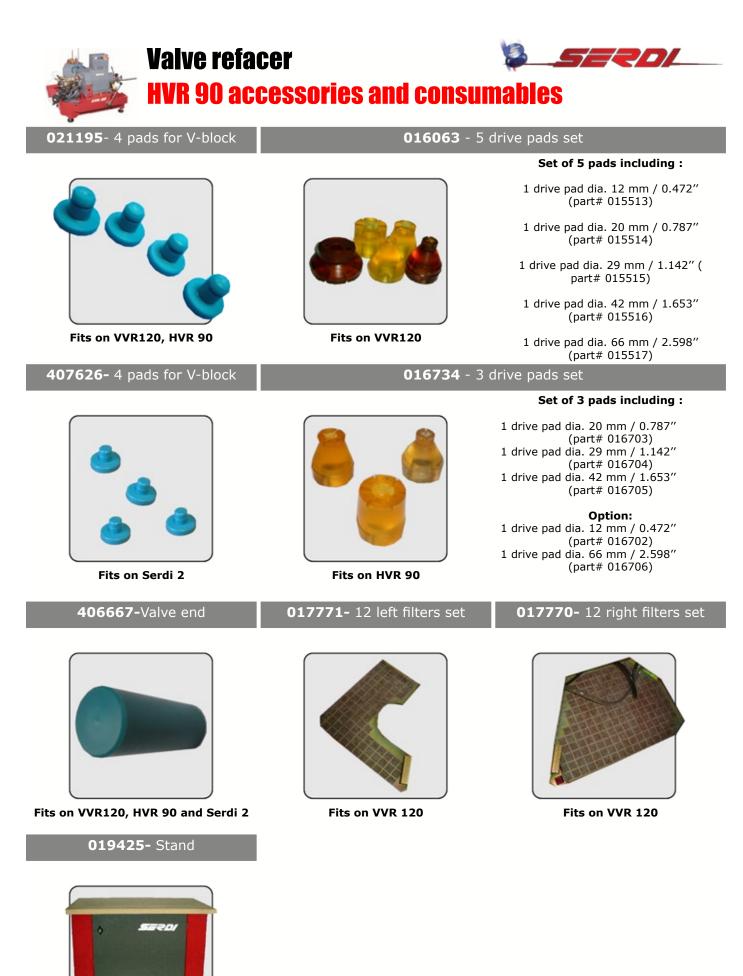
Ø200 mm hard grade Fits on VVR120, HVR 90 (only for specific needs)

Fits on VVR120, HVR 90 and Serdi 2



Ø200 mm standard grade Fits on VVR120, HVR 90

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# **52201** Pressure tester 1500/1501/1600

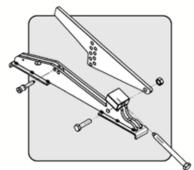
**Clamping system support** 



010059 - Clamping system

### 012439 - Clamping system

010779 - Long clamping block

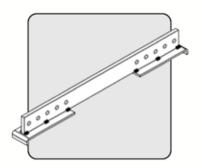


Set of 2 clamping system for crosswise inclined cylinder head. Used to put in horizontal position a crosswise inclined cylinder head.

### 010795 - Short clamping block



To mount on the rotating crib (350 mm screw)

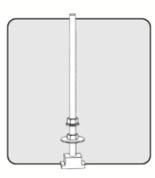


Used to clamp a flat cylinder head.



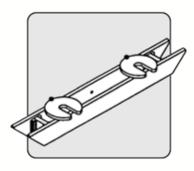


To assemble clamping blocks



To mount on the rotating crib (400 mm screw)

### 013569 - Clamping bar



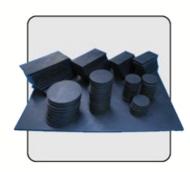
Universal clamping bar with washers.

### Pressure tester 1500/1501/1600 **Other accessories**





### 010056 - Rubber pads set:



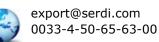
#### Rubber pads set :

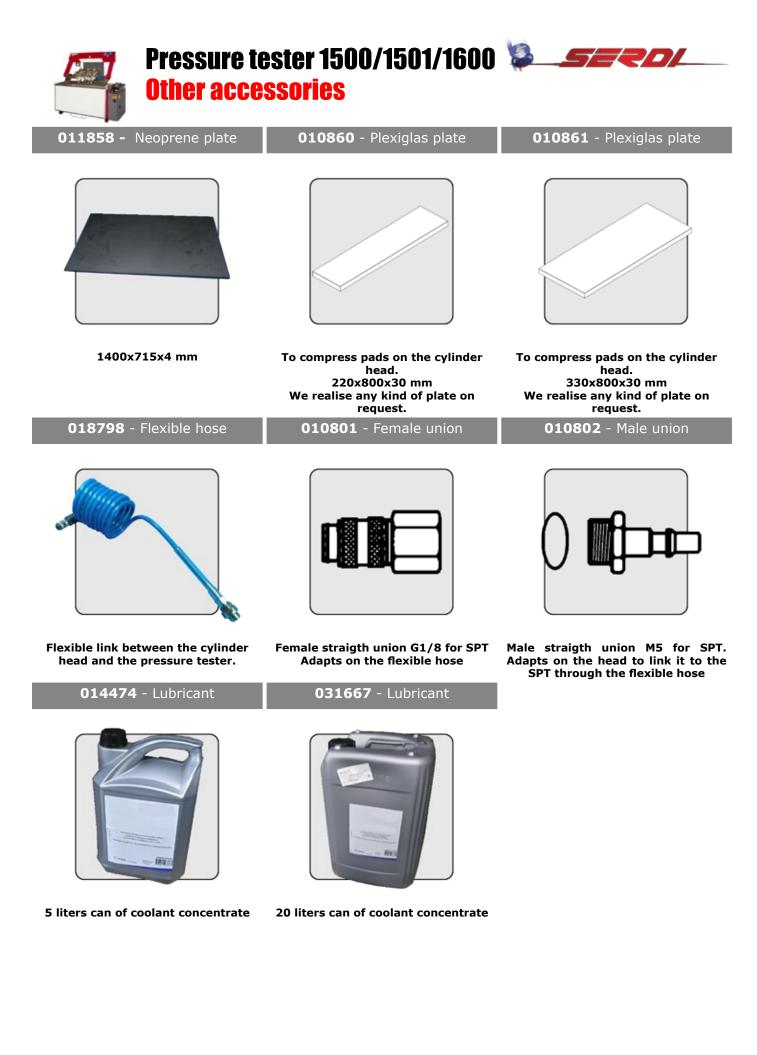
25 pads Ø30 mm (part# : 010050) 15 pads Ø40 mm (part# : 010051) 10 pads Ø60 mm (part# : 010052) 20 pads 60x30 mm (part# : 010053) 10 pads 80x40mm (part# : 010054) 10 pads 100x50mm (part# : 010055) 1 seal 200 x290mm (part# : 010360)

#### 010360 - Neoprene Seal



200x290 mm









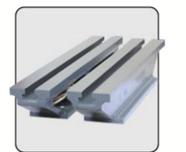
### Grinding machines Cylinder head clamping



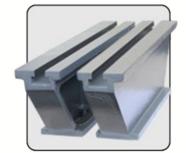
024037 - Raiser bars

### **024033 -** Raiser bars

024036 - Raiser bars



Raiser bars kit height 80 mm - 3.15"



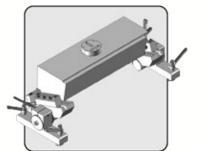
Raiser bars kit height 135 mm -5.31"

024034 - Set of clamps

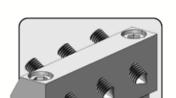


Raiser bars kit height 200 mm -7.87"

### 200101 - Clamping device



Clamping device for tilted cylinder heads (fits on MGM 1000)



Set of 2 complete cylinder head clamps. For MGM machines.





Abrasive segments for GMA, SCB 1300 and MGM



**Grinding machines** 

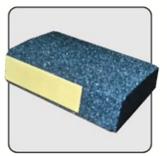


SCB 1300

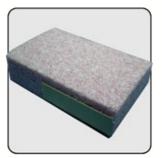


061080 - Abrasive segment

**010590 -** Abrasive segment



Abrasive segment for cast iron



Abrasive segment for steel or aluminium



### Grinding machines Abrasive segments for SCB 2000

 09665 - Abrasive segment
 009666 - Abrasive segment
 009667 - Abrasive segment

Abrasive segment for cast iron

Abrasive segment for steel or aluminium

Abrasive segment for hard cast iron





### Grinding machines Cutting tools with tip holder



#### 020770 - Tip holder



Raiser bars kit height 80 mm - 3.15"

### CBN / PCD tip holder for 6.35 mm cutting tip.

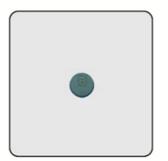
- Enclosed :
- 1 tip holder pad
- 1 balancing pad
- 1 CBN insert
- 1 PCD insert
- 1 tip holder

Only for grinding plate Ø320 mm and Ø360 mm

For all grinding and milling machines.



### 006954 - PCD cutting tip



PCD cutting tip Ø 6.35 mm for aluminium. For all grinding and milling machines



019054 - CBN cutting tip

CBN cutting tip 0.25" for cast iron. For all grinding and milling machines.



### 014474 - Lubricant





5 liters can of coolant concentrate



20 liters can of coolant concentrate





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The issuance of a RGA DOES NOT guarantee credit - it is only authorization for the return of the goods. Credit for return merchandise is at the sole discretion of SERDI. Credit will be issued only after inspection of returned goods.

RISK OF LOSS - All risk of loss or damage shall pass to Buyer when the Products are placed in the possession of the first carrier at SERDI's place of shipment. Prepayment of freight or insurance shall not convert the terms to F.O.B. destination.

GENERAL - The exclusive venue and jurisdiction for any dispute between Buyer and SERDI shall be in the State or Federal courts at the location of

SERDI's office in the State of Georgia and Georgia law shall govern all such disputes. Buyer shall be subject to the personal jurisdiction of said courts. These terms and conditions shall be binding on the heirs, assigns, executors and administrators of Buyer and shall inure to the benefit of SERDI and its successors and assigns.

NOTICE - By signature on the accompanying Sales Agreement or by acceptance and use of product(s) shipped in fulfillment of phone, fax or written purchase orders, the buyer acknowledges receipt and acceptance of all of the General Conditions of Sale contained here-in.



### **General conditions of sale MACHINES SERDI S.A.**

All prices are quoted in EURO and are enduser's net prices. All prices are to be understood : EX-WORKS (EXW incoterms 2010) ANNECY For any other incoterms, we shall submit our best quotation upon request.

PAYMENT TERMS

If no specific payment terms have been agreed upon, payment is to be understood as «irrevocable letter of credit» Our Bank name and address are as follows : CREDIT LYONNAIS UAC LYON 1 ENTREPRISES UMBC 23130 SERVICE COMEX 136, Cours LAFAYETTE LYON CEDEX 03

### INSPECTION

If independent inspection should be required (SGS, BUREAU VERITAS, CALEB BRETT or similar) it will be charged to the importer's.

GUARANTEE : MACHINES SERDI guarantees all parts of its equipment, to the original purchaser, for one full year from date of shipment (except as provided below) against defects in material or workmanship, when the equipment is installed in strict accordance with its particular specifications. MACHINES SERDI will repair and/or replace free of charge (Ex works) all such defective parts, ONLY when returned to the factory in Annecy France, with shipping charges PREPAID. This guarantee DOES NOT COVER damage caused by accident, abuse or faulty installation nor repair or replacement of parts worn or consumed in normal operation of the machine. Additionally, this guarantee does not cover such items as Diamond Tools, Ball Bearings, Grinding Wheels, Belts, Carbide Tool Bits and other accessory items, except at the discretion of MACHINES SERDI. This guarantee is at no time construed to mean the entire machine.

#### CANCELLATION OF ORDER :

Cancellation of order must be in writing and returned to the factory before shipment.

#### SHORTAGE OR LOST GOODS :

Any claims for shortages or loss must be reported within 10 days from receipt of shipment. Claims for transit loss or damage are the responsibility of the carrier according to the incoterm required by the importer.

#### **RETURN MERCHANDISE POLICY:**

- Merchandise may not be returned to MACHINES SERDI without written or verbal approval.
- Customer MUST contact the Export Departement to receive authorization.
- Merchandise authorized for return must be returned at customer's charge along with a copy of the invoice(s) or delivery note.
- Returning the goods DOES NOT guarantee credit.
- Credit for return merchandise is at the sole discretion of MACHINES SERDI.
- Credit if any will be issued ONLY after inspection of returned goods.

PRICES AND TERMS ARE SUBJECT TO CHANGE WITHOUT NOTICE



# seat and guide machines









### Motorcycle:



**Automotive:** 



# MACHINES SERDI S.A.

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