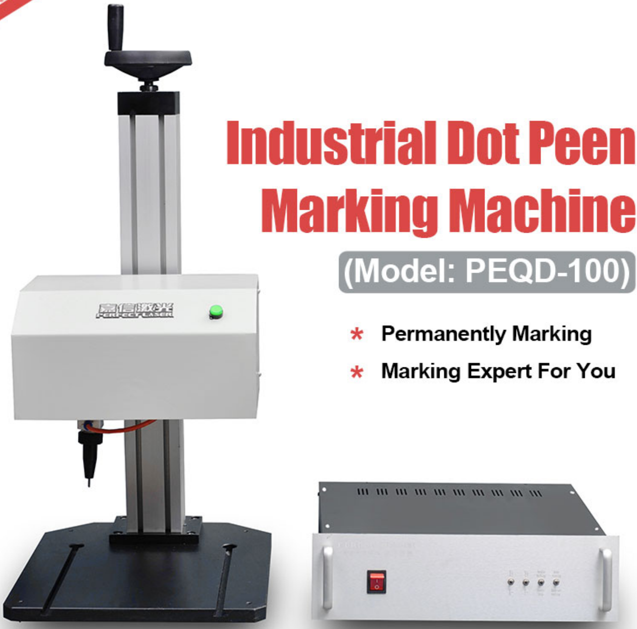
PERFECT laser
Service: +86-27-8879-1396 Email: info@perfectlaser.net


嘉信激光
PERFECT LASER

Industrial Dot Peen Marking Machine

(Model: PEQD-100)

- Permanently Marking
- Marking Expert For You

Why Choose Perfect Laser

QUALITY ASSURED FIRM ISO 9001 CQC

SYSTEM CERTIFICATION ISO 9001 SGS

20 YEARS HISTORY

TÜVRheinland®

Supplier Assessment

Customer-orientated

Wish to provide benefit to agents and customers

Free Pre-Sales Consulting, Free Sample welding Service

life-long service

Engineer Overseas Installation available

12 hours Quick Feedback & After-Sales Service

10000+ Customers Choice

Perfect Laser will be your best Partner

Perfect Laser's Industrial Dot Peen Marking Machine
(Model: PEQD-100)
is suitable for flat marking
It is a industrial marking equipment which can mark logo characters, letters, VIN code, serial numbers, date and graph on work piece (metal or no-metal materials) permanently.

Application

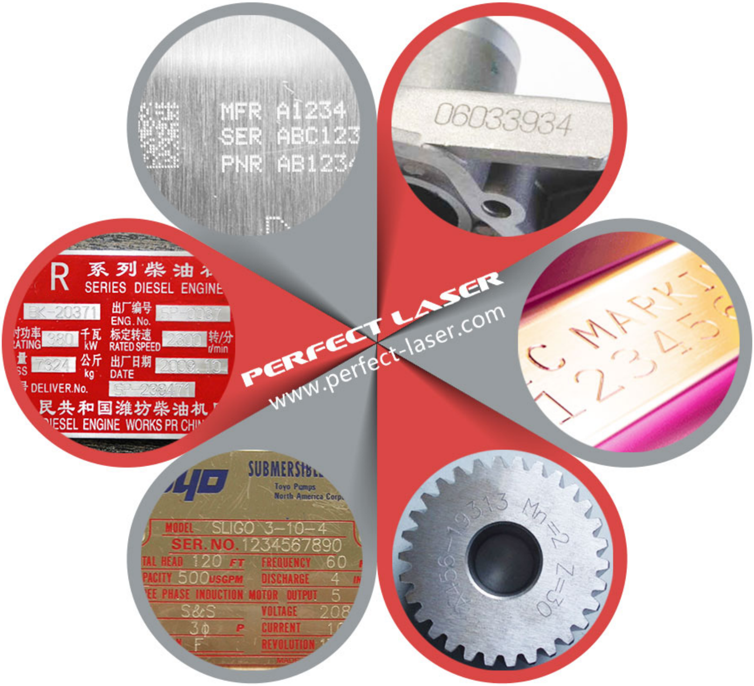
It is applicable for the fields of automobile
motorcycle, mechanism
petroleum, aeronautical and space
electric apparatus and
suitable for markings on steel
metal
nonmetal and plastic materials

Applicable Material

It is adequate for marking characters, letters, serials numbers and VIN codes on bodywork of motorcycles, connecting rods, engines, steel pipe, cylinder and cylinder

various stepper motors and mechanical parts, machine tools,
metal pipes, pump bodies, valves,
fastening pieces and various hard plastic products.

Marking Samples


MFR A1234
SER ABC123
PNR AB123
06033934
R 系列柴油机
SERIES DIESEL ENGINE
出厂编号
ENG. No.
标定转速
RATED SPEED
转/分
r/min
出厂日期
DATE
DELIVER.No.
DIESEL ENGINE WORKS PR CHIN
PERFECT LASER
www.perfect-laser.com
C MARKI
123456
SUBMERSIBLE
Toyo Pumps
North America Corp.
MODEL SLIGO 3-10-4
SER. NO. 1234567890
FREQUENCY 60
DISCHARGE 4
OUTPUT 5
VOLTAGE 208
CURRENT
REVOLUTION
Mn=2
Z=30

Main Features

1. It enables flat surface marking

2. Applying the most widely used up-down lifting structure to realize multi-functions.

3. Controlled by computer, with the easy-to–operate WINDOWS system, Perfec Laser's professional marking software has a wide application and can operate under WINDOWS XP.

4. Powerful edit function. It can mark any logo (character, letter and graph, data code, series number, VIN code, engine numbers) automatically.

5. It can support logos and graphs designed in DXF format from AutoCAD, CorelDraw.

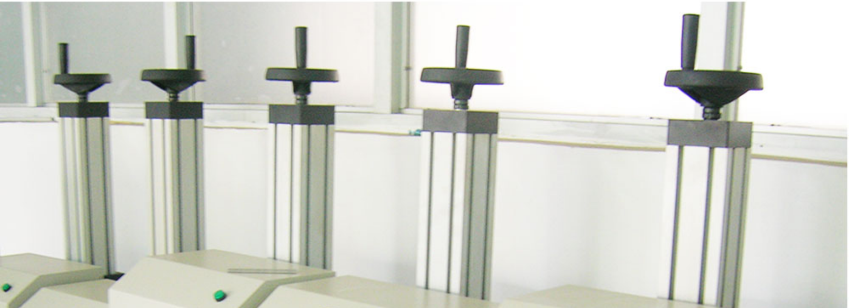
6. It can support multi-kinds font: MG Font, SHX Font in Auto CAD, CHR in Borland, and TTF in Windows.

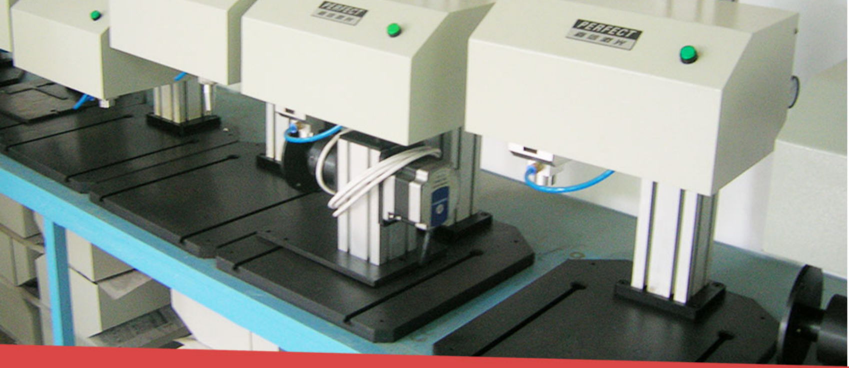
7. Marking contents could be saved automatically and not be destroyed during power-off of the machine.

8. Both planar and three-dimensional rotating is available.

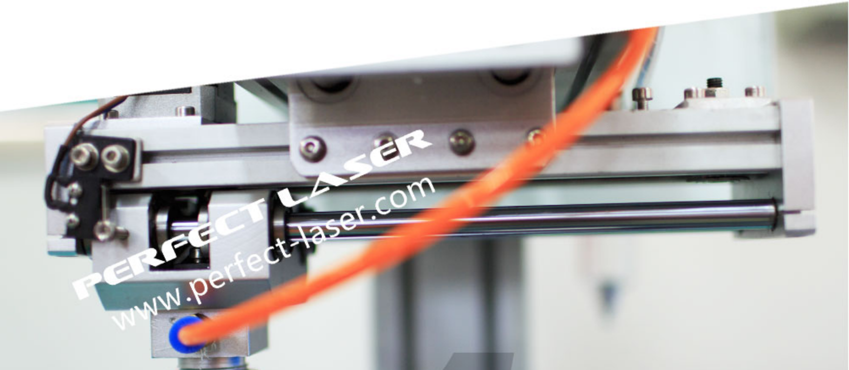
Technical Data

Machine Description	Dot Peen Marking Machine		
Model	PEQD-100	PEQD-025	PEQD-030
Machine Type	Flat Marking	Flat + Rotary Marking	Portable type
Rotary Function	No	Yes	No
Standard Marking Area:	150mm×100mm		
Optional Marking Area:	300mm×200mm / 400mm×300mm / 200mm×100mm		
Marking Depth:	0.01~2mm		
Marking Speed:	≤50mm/s (for characters height of 3mm / 3-4 numbers /second)		
Lifting Range:	0-300 mm		
Marking Accuracy:	0.01 mm		
Pin Hardness:	HRA92		
Power Supply:	220V±10％, 50HZ		
Air Pressure:	0.2-0.6 Mpa		
Machine Power:	≤400 W		
Working Environment:	-5～40 ℃		
Whole Machine Weight:	50 Kgs	60 Kgs	45 Kgs





Machine Instruction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Marking Head

Moves on the Imported Linear Guild Rail

Can Automatically Lubricate

Air-Proof, Dust-Proof

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Control Box

Integration Design

Small Size

Simplify Structure

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Core

Aviation Plug

Good Performance and Durability

Safe Using

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Marking
Pin head

Made by Imported Hard Alloy,
by Particular Technology,
The Rigidity is can Reach 92 HRA.

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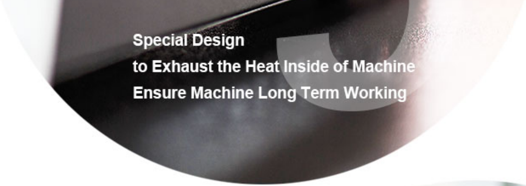
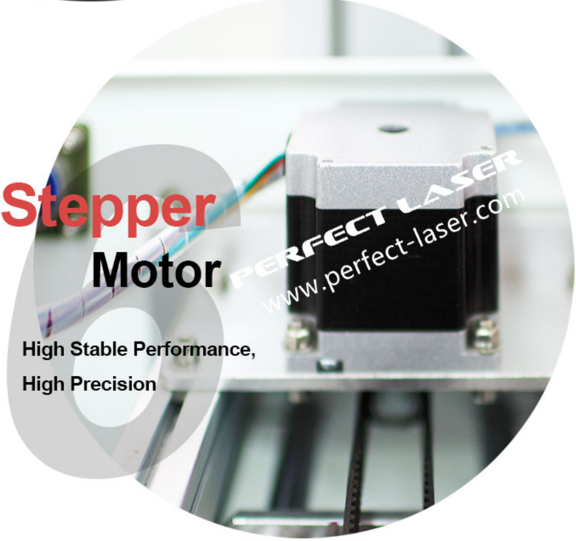
Exhaust
Fan


Special Design
to Exhaust the Heat Inside of Machine
Ensure Machine Long Term Working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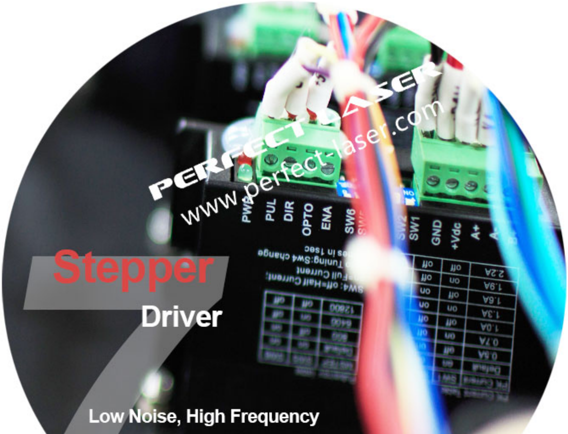
Stepper Motor

High Stable Performance,
High Precision


PUL
DIR
OPTO
ENA
SW6
SW2
SW1
GND
+Vdc
A+
PERFECT LASER
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Stepper Driver

Low Noise, High Frequency

Little Vibration, Low Temperature Rise

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Linear Guide Rail

- Automatic Lubrication
- Low Running Noise
- Running Smoothly
- Easy Maintenance
- High Reliability

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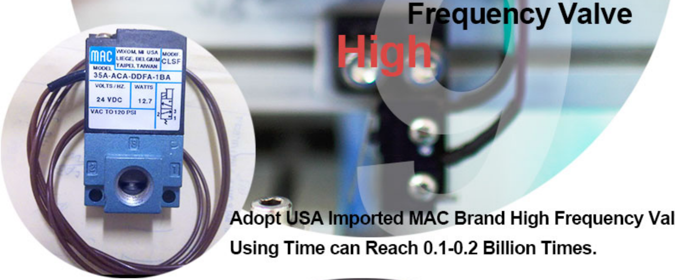
MAC
WIXOM, MI USA
LIEGE, BELGIUM
TAIPEI, TAIWAN
MODIF.
CLSF
MODEL
35A-ACA-DDFA-1BA
VOLTS / HZ.
24 VDC
WATTS
12.7
VAC TO 120 PSI

Frequency Valve

High

Adopt USA Imported MAC Brand High Frequency Valve.

Using Time can Reach 0.1-0.2 Billion Times.

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www.perfect-las .com

Reducing

Value

Control the Pressure of Machine,

Make Sure Its' Long Term Working.

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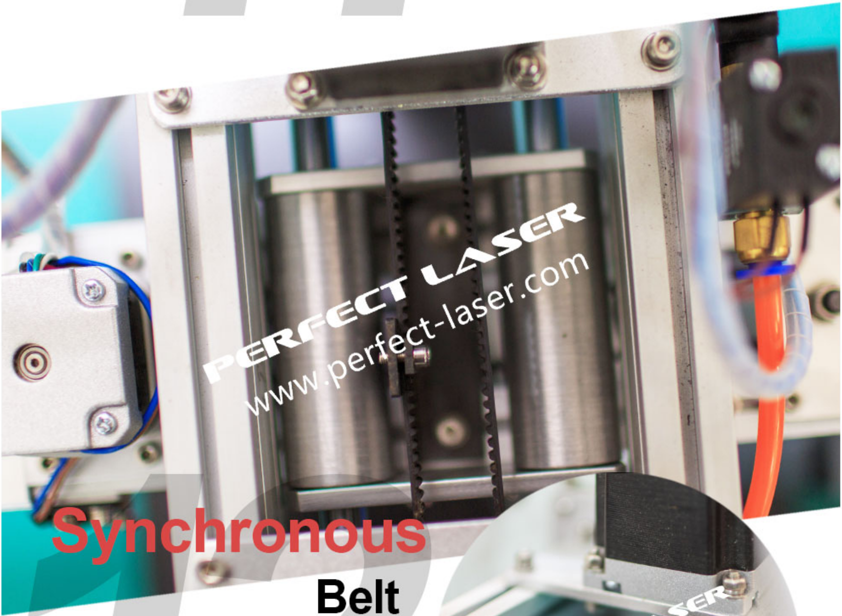
11

Gas Pressure Meter

Control the Pressure,
Ensure Higher Precision.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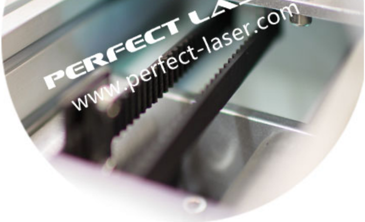
Synchronous Belt

Accurate Transmission

Long Life Time

Improve the Working Efficiency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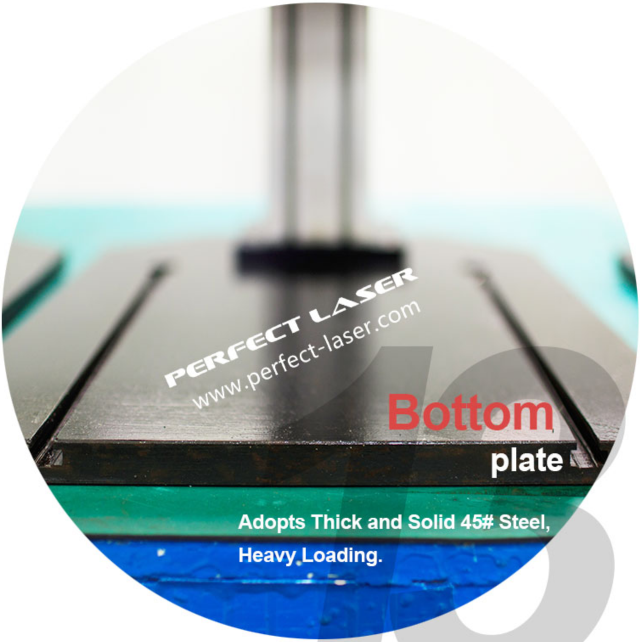
13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Bottom plate

Adopts Thick and Solid 45# Steel,

Heavy Loading.

14

Lifting Handle

Easy Adjusting the Height of Marking Head

Operated Easily, Energy Saving

The Adjustable Height can Reach to 305mm.

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15

Marking Head Cover

Compact Structure, Beautiful

Dust-Proof, Water-Proof

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16

Marking
Pin head

The Marking Pin/ Needle Adopt Imported Hard Alloy,
and is Made up by Precision Mould
and Molding for Once.
The Rigidity of Marking Needle can Reach-92HRA.

FAQ

Q: Does this machine have consumable?

Answer:

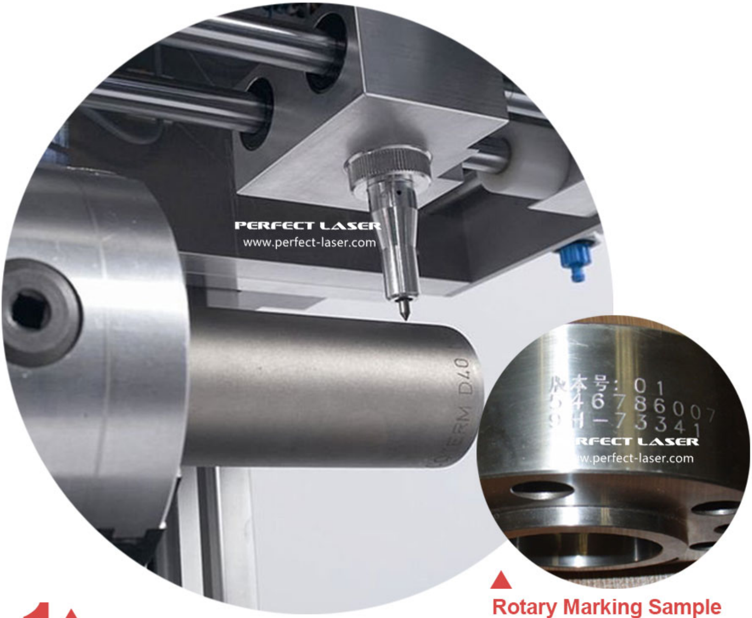
Dear, we will send 2 sets of fitting-parts (including: marking pin, pin head spring, positioning switch, rubber washer) free of charge to you together with the machine.

The value of the fittig parts is USD 65.00.

It can be used for 3-5 year. And the pinhead can be re-sharped by sanding machine.

So normally, We recommend to backup 1-2 sets for future usage. Then, no more consumables.

Optional Items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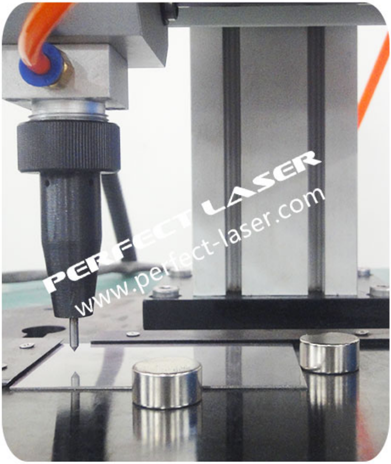
▲ Rotary Marking Sample

1 ▲ Rotary Fixture for Marking on Cylinder Parts

2 ▼ Nameplate Fixture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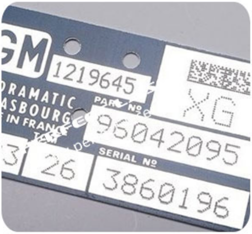
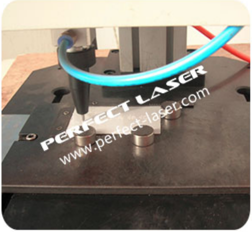
▼ Nameplate Marking Sample


GM
1219645
RAMATIC
ASBOURG
IN FRANCE
PART Nº
96042095
XG
SERIAL Nº
26
3860196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Special design for fix the nameplate when marking,
to avoid its shacking during marking,
to make the marking more stable.

Relative models

PEQD-100

Flat Marking

PEQD-025

Flat + Rotary Marking

PEQD-030

Portable Type

How To Choose Your Suitable Model?

We have 5 types dot peen marking machine:

- **Planar Marking Type**
- **Rotary Marking Type**
- **Portable Marking Type**
- **LCD Control Type**
- **Multi-functional type**

Choose it according to different functions:

Models	**PEQD-100 / PEQD-100E**	**PEQD-025 / PEQD-025E**	**PEQD-030 / PEQD-030E**
Types	**Planar Marking Type**	**Rotary Marking Type**	**Portable Marking Type**

Applications	Suitable for flat surface marking logos, characters, letters, serial numbers and VIN codes on various kinds of metals such as steel, stainless steel, iron, copper, aluminum, alloys, etc., and hard non-metal labels & accessories. Widely used in the fields of automobile, motorcycle, mechanism, petroleum, aeronautical and space, electric apparatus and suitable for markings on steel, metal, nonmetal and hard plastic materials.	Adequate for both flat surface marking and rotary marking on various kinds of metals such as steel, stainless steel, iron, copper, aluminum, alloys, etc., and hard non-metal labels & accessories. Due to the rotary marking function, these models are widely used for marking characters, letters, serials numbers and VIN codes on bodywork of motorcycles, connecting rods, engines, steel pipe, cylinder and cylinder various stepper motors and mechanical parts, etc.	Especially for marking on large-sized and unmovable metal items, and some hard nonmetallic work pieces, also can work with pipelining. Due to its small size and portable type, this model is widely used for marking characters, serials numbers and VIN codes on automobile or bodywork of car frames, automotive chassis, connecting rods, petrol pipe, crossbeam, mechanical parts, machine tools, metal pipes, pump bodies, fastening pieces, etc.

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Packing

Model	L*W*H	Volume	Weight
PEQD-100	47*50*83cm	0.21CBM	58 Kgs

CE
Perfect Laser
Case No.: 1/1
Made in China

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