We are an organization devoted to rapid and continuous qualitative upgradation of machinery useful in printing and packaging industry. We have been upgrading machines over the past several years with tremendous support from our clients and associates.

Our philosophy has been to continuously develop products that multiply our customer’s productivity as also to enhance the accuracy of the same old machines, bringing them at par with the best. We strive to give you the best for your machine to give optimum output.

We aspire to create a multifaceted organization, capable of incorporating the latest technologies, to give the best in its class, value added products to continuously upgrade the automation industry, to greater levels of efficiency and precision.

At PCSPL, our team of 40 engineers is continuously developing newer technologies at our state of the art, R&D and manufacturing set up in Mumbai.

Our quest for growth has also been cemented, by multiplying our number of support centers. Our engineers are geared to train your production teams, to help get the best out of the automated systems. These support centers are managed by teams of dedicated and efficient engineers who are eager to provide you with services that help you to practically carry on uninterrupted production.

Our systems are virtually trouble free and in any case solutions are just a phone call away.

We believe in rising high with the support of each other
Developed in 1991, 'Accucut' is a perfect example of symphonic development. It is also popularly known as 'Patwardhan’s Program'. It was our knowledge of the machines that led us to infuse new life into expensive machinery which was rendered redundant by the advent of computerized cutting systems. This tiny giant injected a new life into these cutting machines enabling the users to compete with the best in the industry and all this coming at a small additional cost.

Backed with a team that has a very strong technological orientation, we have successfully installed over 4000 units on hundreds of different models of guillotines. We are constantly upgrading our products through continuous R&D. Accucut has been installed on machines manufactured as far back as 1955. Accucut has been installed on a wide range of guillotines - Polar, Seypa, Wohlenberg, Schneider, Itoh, Yoda, L.M.M, SEM-FL to name a few. Accucut has been installed on machines of all makes and those manufactured at different times.

We can proudly state that the leading guillotine manufacturers in India like hmt(Kerala), India Engineering, Record machinery(Kolkata), Nanak Nam, Indian machinery, Sujata(Amritsar), Acme (Mumbai) and many more trust Accucut for optimum output from their machines.

Today we have 4000 systems functioning worldwide backed up with strong and prompt support from PCSPL. This is due to our stress on proper quality and correct prescription on the final product.

Accucut was developed to help rid the printing industry of its complete dependence on the competence of the skilled worker it employed. It was craftsmanship of the worker that decided the fate of the cutting accuracy and even a trivial fault could trip the functioning of an imported machine. Constant bending on the machine for moving the pile of paper stacks at each step led to great fatigue to the operator resulting in lowering the production.

Our product fits on top of any guillotine occupying very little space. It gives clear view of the parameters and gives the operator accurate control of the back gauge. Even an amateur can operate the program easily.
We constantly upgrade our products through continuous R&D which has helped us come up with "Accucut TOUCH". This state of the art cutting machine program sports a graphic display and a touch screen with options of Indian languages.

The graphical representation of various indicators like clamp down, knife down, foot paddle pressed, clamp plate mounted, push out in action, time delay between knife & clamp on, air bed on/off, auto cut active, light barrier interrupted, live position of back gauge makes the display more live and informative.

Additional functions like knife stroke counter and program cycle counter, data storage of important information like:
- Date of machine installation
- Total knife strokes in machine life
- Date of knife change
- Number of hours of operations, further enhance operations.

Accucut Touch is now empowered to convey the messages even in Indian languages.

This would help a new operator to use Accucut Touch more efficiently and without anybody's help.
It also supports advanced programming functions for quick and convenient programming of:
# Four side trim
# Two pieces of a large sheet
# Four pieces of a large sheet
# Single cut and Multi-cut labels

Also available are additional outputs for knife delay, no knife (i.e. only pressure clamp), auto cut, etc. What’s more, it can also be coupled with different motors like servo motors, AC two speed motors with brake, AC single speed motors with inverter drive and DC motors with DC drive and brake.

This saves a lot of time of the operator and makes his task easy.

Our products handle the abnormal conditions faced in any growing economy like:
# Lack of stable continuous power flow
# Hot humid conditions of the workplace
# Lack of additional space in the unit
# Operating ease

**OPERATING EASE**
- The system automatically pushes the pile of papers enabling the operator to pick the paper stacks effortlessly.

**A/C FREE OPERATIONS**
- Accucut’s sturdiness and ruggedness makes it immune to climatic variances for working 24X7 and 365 days without need of air-conditioning.

**BUILT-IN STABILIZER**
- Power cuts have always been a stumbling block in the path for optimum performance. Our built-in stabilizers make operations trouble free.

**AMAZINGLY HIGH PRODUCTIVITY**
- This feature rich product has the capacity to upgrade production by an amazing 250%. This has been proven over the span of 20 years.

**MAINTENANCE**
- Our systems are virtually trouble free and in any case solutions are just a phone call away.

**Optional Features**
# Wired / Wireless connectivity with a remote computer
# On line, real time data transfer with secured login features. This helps for MIS analysis
# Facility to read, set, edit programs from the remote computer
Double sheet detector

A Conventional Double Sheet Detector

New Supersonic Double Sheet Detector

Every offset printing machine is equipped with a ‘DOUBLE SHEET DETECTOR’. In older machines, this device is an electro-mechanical device. This tries to check the difference between thickness of single sheet and multiple sheets. Whenever the thickness is more, the switch is activated and the impression of machine goes off. These devices have certain drawbacks:

a) The operator has to set the detector for every job.
b) For thinner sheets, it is not 100% reliable.
c) If critically set, it generates frequent false alarms.

So the dependability of these Double sheet detectors is very poor and occurrence of Double sheet is quite common.

This double sheet results into a presence of blank sheet in the delivery or in some cases such multiple double sheets jam the machine. The problem of blank sheet is extremely CRITICAL in case of Pharma leaflets. A presence of blank leaflet is considered as critical error.

To eliminate this problem, we have Supersonic Double sheet sensors, which work on the principle of sound. These sensors are used in the offset machines manufactured currently in the most advanced countries like Germany and Japan. Ultrasonic double-sheet detectors distinguish between single and double sheets of paper and prevent double sheet or machine damage. A standard double sheet detector, with control unit suitable for the offset printing machine contains supersonic sensor along with a timing sensor and interlocking sensor. The interlocking sensor do not allow the operator to start the machine without removing the double sheet.

Advantages:
# 100% dependable and does not allow any double sheet

# Contact-less operation and so no settings required

# Same settings work for all types and thickness of substrate, which saves a lot of the operators’ time and work. Due to additional interlock the operator cannot start the feeder without removing the double sheet.
This very efficiently designed system contains two smart cameras from Topsenso, Germany. The system is used for the verification of the correctness of Pharma leaflets. The cameras are installed on leaflet folding machine. One camera verifies a small portion on the upper surface whereas the other verifies a small portion on the lower surface of the same leaflet while it is running on the folding machine.

The cameras are extremely intelligent. They are capable of:

a) Scanning & verification of Barcodes. This includes most of the 1D barcodes including pharma code, 2D datamatrix code.

b) Learning the text matter on the leaflet as a “Pattern” & match the same for every leaflet in that particular portion.

Thus the system can be used in all types of leaflets whether with or without barcodes. The tiny cameras occupy very small space and thus accommodated easily in the folding machine.

This instrument has a connectivity with PC and it gives real time information as well as the job report to the PC.

Apart from this, we provide two simpler low cost versions of the verification system:

a) Barcode: - This system verifies ‘Barcodes’ of all types.
   This system can not read a pattern and thus it is used only at places where the barcode is definitely printed and is at easily readable position on the printed leaflet while running on machine.

b) Pattern Match: - This camera reads a pattern among the characters taught to it. Then for every leaflet, it verifies the same pattern at the place. It is possible to set the tolerance in terms of percentage of this matching.
   This system is most easy to use but it does not provide 100% protection against mixups. Also it does not provide a cross confirmation with the Barcode number.
We have one of the best reaction teams when it comes to sales and support. And that’s because we are located across India.

What’s more, our reach has also extended beyond boundaries in countries.

**Global Presence**

Dubai | U.A.E. | Kuwait | Bahrain | Syria | Algeria | Kenya | Tanzania | Congo

Oman | Ethiopia | Sri Lanka | Bangladesh | Singapore | Malaysia

**Sales & Support Across India**

Pune | Bangalore | Hyderabad | Delhi | Kolkata | Baddi | Ahemadabad

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