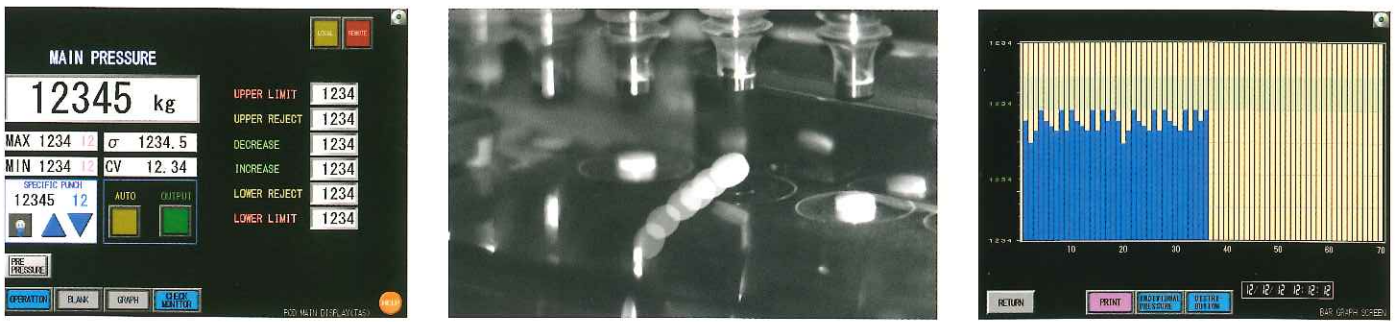


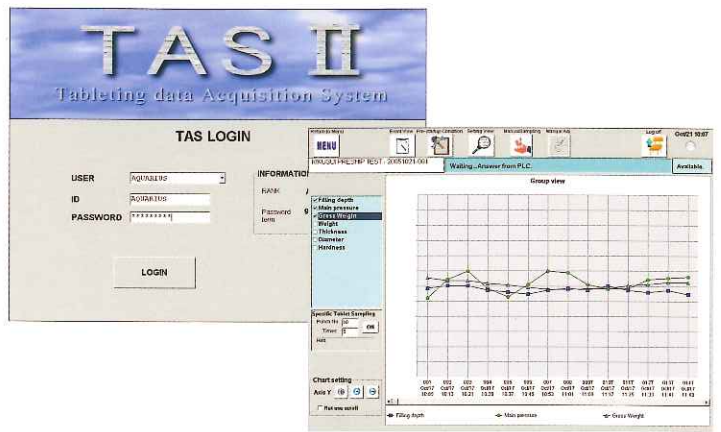
PCD-2 & SINGLE REJECTION

There is a proportional relation between tablet weight and compression force when tablet thickness remains constant. KIKUSUI's automatic weight control system PCD-2, applying to this theory, controls and stabilizes the tablet weight. PCD-2 receives the compression force wave from the load cell at the main pressure roll, digitalizes that wave and compares it to Pre-Set values and makes any necessary adjustments. Additionally, the reject system is driven by air, which ensures single tablet rejection, which minimizes the total number of rejected tablets.



FLEXIBLE CONTROL SYSTEMS

AQUARIUS G is available with a variety of control systems to meet all of your production needs, from simple yet reliable manual controls to the newly developed and most sophisticated "TAS-2" controls. TAS-2" includes recipe files, batch records, audit trails, password management etc... This software was developed through strategic alliances with some of the largest pharmaceutical companies in the world in order to comply with all of the requirements of 21 CFR Part 11.



BASIC SPECIFICATIONS

Model & Type	AQUARIUS G-J / Regular Mode		
No. of Stations	45	36	30
Type of tooling	TSM-BB	TSM-B	TSM-D
Max. pressure(kN)	Pre 100 / Main 100	Pre 100 / Main 100	Pre 100 / Main 100
Max. tablet dia (mm)	11	16	25
Turret speed (rpm)	20 - 120	20 - 120	20 - 100
Tablets/hr.	54,000 - 324,000	43,200 - 259,200	36,000 - 180,000
Filling depth (mm)	1 - 18	1 - 18	1 - 18
Tablet thickness (mm)	0 - 8	0 - 8	0 - 8
Dimention (W×D×Hmm)	1,010×1,010×1,750	1,010×1,010×1,750	1,010×1,010×1,750
Weight (kg)	2,800	2,800	2,800

Our policy is one of continuous development and improvement and we reserve the right to alter dimensions and specifications without prior notice. The photographs include special specifications.

U.S. Subsidiary

KIKUSUI USA, INC.

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TEL: 732-349-3131 FAX: 732-349-3354

Manufacturer

KIKUSUI SEISAKUSHO LTD.

104, Minamikamiai-cho, Nishinokyo, Nakagyo-ku, Kyoto, 604-8483, Japan

TEL: +81-75-841-6326 FAX: +81-75-803-2077



AQUARIUS G

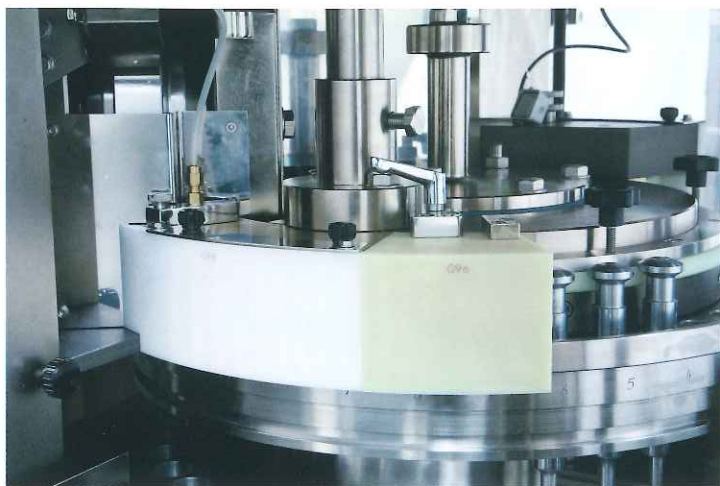
High Speed Rotary Tablet Press

AQUARIUS G is the latest press from KIKUSUI designed for pharmaceutical production. Features include, very simple operation and maintenance, easy access, quick turret exchange. All in a very rugged, reliable and compact design that KIKUSUI has always been known for.



TURRET EXCHANGEABILITY

HIGH PRODUCTION CAPABILITY



Upper Punch Head Guard



Upper Punch Dust Seals & Bellows

NEW FEEDER AND VACUUM SYSTEM

New designed closed feeder and vacuum system fulfill high speed production and longer run times with minimum powder loss. New designed vacuum system keeps cleaner condition on die-table surface as well as compression zone.

CLEAN ZONE FULL ISOLATION

The lubricated upper and lower punches are in continuous contact with the cam tracks. Should powder happen to adhere to the tooling, smooth operation is disrupted and the possibility of the product contamination with lubricant may occur. In order to prevent such a risk, AQUARIUS G-J can provide following features.

UPPER PUNCH HEAD GUARD

Upper punch head is fully covered by Upper punch head guard. There is no chance to mix up powder with lubricant on Upper punch zone.

DUST SEALS / BELLOWS

Dust seals with punch bellows isolate clean zone and mechanical zone. It will keep clean condition both upper punch and lower punch area and minimize the cross contamination happened.

TURRET EXCHANGEABILITY



AQUARIUS G-J provides turret exchangeability as a Standard Feature. The TURRET ARM SWINGING SYSTEM makes turret change a quick and simple task. The entire process can be accomplished in less than 20 minutes. This feature allows for the use of TSM-B and TSM-D tooling in the same machine, as well as making the machine very easy to clean after use. The Turret Exchange SOP is displayed on the OIT to prevent any operator mistakes. This system provides Step-by-Step instructions with safety interlocks, which allows the operator to quickly and easily exchange the turret.



USER-FRIENDLY SETUP & OPERATION



USER FRIENDLY CLEANING AND SETUP

A simple "Finger fastening" system for all change parts eliminates the need for most standard tools. Operator guesses work during setup and assembly is greatly reduced by using factory set tolerances on Feed frame, cam tracks etc... Large access doors provide ample access for quick changeovers and maintenance, as well as unobstructed inspection of the machine interior while in operation.

OPERATOR INTERFACE TERMINAL

AQUARIUS G features a User friendly touch screen operator control panel as standard.

COUNTERBALANCED SWING ARM

OIT is mounted to the machine with a COUNTERBALANCED SWING ARM which minimizes the floor space required to install the machine.

ACCESS CONTOROL & RECIPE

AQUARIUS G features three levels access control. It will manage the authority of the any operations. Production RECIPE can be stored up-to 40 recipes in OIT system.

PRINT OPTION

Available PRINT OPTION as a Standard Feature to support the production records. It includes Production parameter, Pressure summary, Alarm summary and Lot end summary reports.



MULTI PROCESS MODE CAPABILITY



REGULAR & DC MODE IN ONE MACHINE

AQUARIUS G-J has multi process mode capability, REGULAR and DC mode (Tablet in tablet). It can produce not only regular tablets but also Tablet in tablet products on one machine. To change the mode, you just simply replace the module & DC cabinet in addition to exchange the turret. Step-by-Step guidance on the OIT ensures proper set up.